

Htet Htet Aung

5029 Hutumn Ct, Herndon, VA 20171

Home: (703) 435-5505

Cell: (571) 552-9852

Email: hbaung@gmail.com

OBJECTIVE

An experienced UI analyst and interaction designer looking for an opportunity to research, design, and create products or systems that are usable, efficient, easy to use, and aesthetically pleasing to the end users.

EXPERIENCE

Zizawah Designs

11/08-Present

- * As **UI designer**, designed and developed two web sites for a realtor.

Siemens Medical Solutions, Malvern, PA

09/06-08/07

An established Healthcare Information Systems and equipments vendor bringing together innovative imaging equipment, information technology, management consulting, and services to help health and hospital systems achieve tangible, sustainable clinical and financial outcomes.

- * **Senior UI Analyst and Designer** for the *Soarian Clinicals* application which offers an innovative, systematic way to optimize workflow, manage patients, enter orders, and access patient records.
- * Worked closely with end-users, product analysts, and developers within an *Agile* development framework.
- * Dramatically improved work-flows, efficiency, and usability for the patient census, work lists, and the tracking board for emergency departments.
- * Initiated and contributed to a Soarian UI standard that aims to ensure uniformity in UI look and feel and to enhance aesthetics in collaboration with other UI designers.
- * Designed a new UI framework to integrate disparate areas of the application to form a more streamlined and efficient application.
- * Worked with front-end developers to help structure CSS and HTML codes in product development to improve efficiency, code-reuse, and access time. Succeeded in improving access time by 70% in one case.

QuadraMed Corporation, Reston, VA

04/05-09/06

A medium-sized Healthcare Information Systems vendor embarking on an ambitious effort to build a suite of J2EE and web-based applications to leapfrog its competitors. Distinguishes itself by offering flexibility, efficiency, and empowerment to users with customized decision support, robust builder, and integrated workflow.

- * **Principal UI Designer** for the *Clinical Workstation* application, a suite of applications which includes *Clinician Access*, *Computerized Physician Order Entry System* and *Electronic Document Management* and for the *Enterprise Master Person Index (EMPI)* application, an application which allows searching, editing, merging, and unmerging of patient identifications.
- * **UI Consultant** for all clinical applications within QuadraMed and as such worked with various analysts to troubleshoot and offer UI solutions.
- * Working closely with the physician architect, clinicians, and other analysts, created new designs and improved existing designs for *Clinical Workstation*, *EMPI*, and others with focus on usability and ease of use.
- * Created, designed, and proposed a new UI framework for *Clinical Workstation* application which better accommodates existing and future functionalities, is easy to use, easy to customize, and aesthetically pleasing.
- * Presented design ideas and conveyed the merits of the new designs to product analysts, developers, and managers to ensure adoption and successful implementation.
- * Created a corporate UI standard that aims to ensure uniformity in UI look and feel and to enhance aesthetics through collaboration with two other UI designers.
- * Worked with front-end developers to help structure CSS and HTML codes in product development.

Pebbles Group, Human Computer Interaction Institute (HCII), Pittsburgh, PA

08/03-12/04

- * As a **Research Associate II** for the *Pebbles PDA* research group, under Prof. Brad Myers guidance, worked with Andy Ko on Marmalade (creating new and easier-to-use programming environments) and with Jacob Wobbrock on EdgeWrite (a new technique for text entry for handhelds and the handicapped).
- * Designed, conducted, and analyzed user and device interaction studies to learn how well *EdgeWrite* techniques support handicapped users.

HCI Methods

Cognitive Walkthrough
Contextual Inquiry and Design
Fault Tree Analysis
GOMS Modeling
Heuristic Evaluation
Requirements and Task Analysis
UI Specifications
User Testing

Programming

Flash ActionScript
HTML/DHTML/CSS
Java
JavaScript
MySQL
PHP
Visual Basic

Design

Document Design
UI and Information Design
Lo/Hi-Fi Prototyping
Typography and Color

Software

Director
DreamWeaver
FireWorks
Flash
Illustrator
InDesign
Photoshop

Coursework & Tutorials

Advanced Java Programming
Colors and Computers
Communication Design Fundamentals
Designing for Efficiency
Designing Responsive Software
HCI Methods
Human Factors
Information Visualization
Interface and Interaction Design
Organizational Management
Professional and Technical Writing
Programming Usable Interfaces
Statistical Reasoning and Methods
Usability Methods in Web Design

Membership

ACM/SIGCHI

Languages

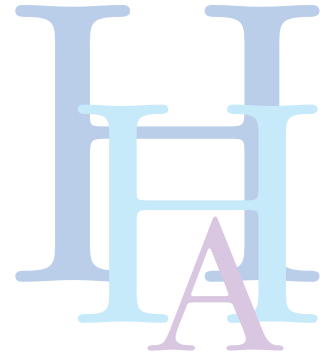
Fluent Burmese and English
Some Spanish

Portfolio

zizawah.com

EXPERIENCE - CONTINUED

- * Conducted and analyzed user studies to better understand how novice and expert users program and use different IDE software.
- * Created and designed graphics for publications, posters and the *EdgeWrite* user guide.
- * Designed, conducted, and analyzed usability studies for the *GMC Denali* navigation system and submitted the usability problems report to GM.
- * Helped design a new IDE programming environment which uses tools that better enable expert, novice, and non-programmers alike to efficiently and effectively design, develop, and debug computer software.
- * Designed and developed the *EdgeWrite* and *Pebbles* web sites to make the technology available to the user community and other researchers and to showcase various research projects and its sponsors.



Human Computer Interaction Institute (HCII), Pittsburgh, PA

08/02-06/03

- * Proposed and accepted for an Independent study for HCII site redesign.
- * Designed, conducted, and analyzed an online survey and interviews to get feedback from the alumni about the HCI program and its web site and presented to the HCII Executive Committee with the redesign proposal and survey results.

Zizawah Designs

08/03-12/04

- * Proposed and won the contract for the development of a secure intranet and lab notebook web application for the Bone Tissue Engineering Center of Carnegie Mellon University.
- * As *project manager*, ensured the project was on time, within budget, and successfully delivered.
- * As *UI analyst and designer*, conducted user research, designed, tested, and developed the intranet & lab notebook application to be usable, efficient and easy to use.
- * Helped the director of BTEC propose for an NIH grant application for further intranet development.

University of Pittsburgh School of Dental Medicine, Pittsburgh, PA

01/03-08/03

- * As *UI analyst and designer*, one of five HCI masters students on a Masters Capstone project, worked on creating an intranet for the School of Dental Medicine.
- * Spearheaded the user research efforts, data analysis, contextual design and the development of the SDM intranet site architecture.
- * Designed and prototyped a role-sensitive intranet after exploring the needs and requirements of various users through a thorough contextual inquiry based user research.

Diamond Bullet Design, Ann Arbor, MI

02/01-07/01

Diamond Bullet is a highly innovative, people-centered digital services firm dedicated to creating the most usable web products and provide leading-edge services to a diversity of clients worldwide.

- * As *web developer*, developed, maintained, and updated various client web sites.
- * Designed and developed PERL modules for easier E-banking administration.

Hippocrates Project, NYU School of Medicine, New York, NY

05/94-08/01

Hippocrates project is the hypermedia instructional development program of New York University Medical Center. It is a multidisciplinary, faculty-student effort to identify, study, and invent the variety of ways by which computer and communication technologies can enhance the learning process.

- * As a *research intern*, created graphical presentations of biological pathways and molecular models using MacDraw and Adobe Photoshop.
- * As a *multimedia author*, designed and developed the "Computer Image Guide to Neuroanatomy - The Internet Brain" courseware using Macromedia Director.

EDUCATION

School of Computer Science, Carnegie Mellon University, Pittsburgh, PA

Masters of Human-Computer Interaction, 08/02 - 12/03 (GPA 3.98/4.0)

Southampton College of Long Island University, Southampton, NY

Bachelor of Science (Pre-Medicine - Molecular Biology), 09/93 - 05/97 (GPA 3.86/4.0)

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PUBLICATIONS

- * Wobbrock, J.O., Myers, B.A. and Aung, H.H. (2008) **The performance of hand postures in front- and back-of-device interaction for mobile computing.** *International Journal of Human-Computer Studies*, 66(12), 857-875.
- * Ko, A.J., Myers, B.A., Coblenz, M. and Aung, H.H. (2006) **An Exploratory Study of How Developers Seek, Relate, and Collect Relevant Information during Software Maintenance Tasks.** *IEEE Transactions on Software Engineering*, 32(12), 971-987.
- * Wobbrock, J.O., Aung, H.H., Myers, B.A. and LoPresti, E.F. (2005) **Integrated Text Entry from Power Wheelchairs.** *Journal of Behavior and Information Technology* 24 (3). London: Taylor and Francis, 187-203.
- * Ko, A.J., Aung, H., and Myers, B.A. (2005) **Eliciting Design Requirements for Maintenance-Oriented IDEs: A Detailed Study of Corrective and Perfective Maintenance Tasks.** *International Conference on Software Engineering*, St. Louis, MI, May 15-21, 126-135. **[Winner of Best Paper Award]**
- * Fogarty, J., Ko, A.J., Aung, H.H., Golden, E., Tang, K.P. and Hudson, S.E. (2005) **Examining Task Engagement in Sensor-Based Statistical Models of Human Interruptibility.** *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2005)*, 331-340. **[Winner of Best Paper Award]**
- * Ko, A. J., Aung, H., and Myers, B. A. (2005). **Design Requirements for More Flexible Structured Editors from a Study of Programmers' Text Editing.** *ACM Conference on Human Factors in Computing Systems*, Portland OR, April 2-7, 2005, 1557-1560.
- * Wobbrock, J.O., Aung, H.H., Rothrock, B. and Myers, B.A. (2005) **Maximizing the Guessability of Symbolic Input.** *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI '05)*. Portland, Oregon (April 2-7, 2005). New York: ACM Press, 1869-1872.
- * Wobbrock, J.O., Myers, B.A., Aung, H.H. and LoPresti, E.F. (2004) **Text Entry from Power Wheelchairs: EdgeWrite for Joysticks and Touchpads.** *Proceedings of the ACM SIGACCESS: Conference on Computers and Accessibility (ASSETS'04)*. Atlanta, Georgia (October 18-20, 2004). New York: ACM Press, 110-117. **[Winner of Best Paper Award]**
- * Ko, A. J. Myers, B. A., and Aung, H. (2004). **Six Learning Barriers in End-User Programming Systems.** *IEEE Symposium on Visual Languages and Human-Centric Computing*, Rome, Italy, September 26-29, 199-206.
- * Wobbrock, J.O., Myers, B.A. and Aung, H.H. (2004) **Writing with a Joystick: A Comparison of Date Stamp, Selection Keyboard and EdgeWrite.** *Proceedings of Graphics Interface (GI '04)*. London, Ontario (May 17-19, 2004). Waterloo, Ontario: Canadian Human-Computer Communications Society, 1-8.
- * Wobbrock, J.O., Myers, B.A. and Aung, H.H. (2004). **Joystick Text Entry with Date Stamp, Selection Keyboard and EdgeWrite.** *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI '04)*. Vienna, Austria (April 24-29, 2004). New York: ACM Press, p. 1550.
- * Filoteo, A. G., Elwess, N. L., Enyedi, A., Caride, A., Aung, H. H., and Penniston, J.T. (1997) **Plasma Membrane Calcium Pump in Rat Brain: Patterns of Alternative Splices Seen by Isoform-Specific Antibodies.** *Journal of Biological Chemistry*. 272, 23741-23747.



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