

Mee Cha

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EDUCATION

University of California, Santa Cruz Expected June 2010

- Bachelor of Science in Computer Science: Computer Game Design
- Minor in Information Systems and Technology Management
- Gates Millenium Scholar, EOP Academic Excellence Award, Dean's Honors

Senior Design Project: Ripholes in Rubbish 2008 - 2009

UCSC Game Lab, www.ripholes.com

- Collaborated in a team of six to create a Nintendo DS game in 6,500 lines of C/C++.
- Designed and programmed the core game mechanics, architecture, and engine around the homebrew libraries Libnds and PALib.
- Assigned members to facilitate group sessions, identified problems, and implemented solutions based on feedback as head of playtesting.
- Submitted game to IGF's mobile competition.

RESEARCH

Research Assistant 2008 and 2010

UCSC Expressive Intelligence Studio

- Analyzed classical 2D platform games in order to find reoccurring patterns associated with player movement.
- Designed information visualizations in the Flare toolkit to display similiarities and differences between thousands of randomly generated levels.

Publications

- Gillian Smith, Mee Cha, Jim Whitehead, "A Framework for Analysis of 2D Platformer Levels." Proceedings of ACM SIGGRAPH Sandbox Symposium 2008, Los Angeles, CA, August 9-10, 2008.

WORK EXPERIENCE

Student Web Developer 2008 - present

UCSC Faculty Instructional Technology Center, www.ic.ucsc.edu

- Collaborated closely with faculty and staff in project design and implemented courses in WebCT, Sakai, Django, and traditional websites.
- Oriented and trained student web developers, organized projects, and assigned tasks.
- Wrote tutorials on how to use Photoshop, Dreamweaver, SFTP software, and various tools in Sakai.

COMPUTER SKILLS

Languages

- C++, C, Java, Actionscript 3.0, PHP, MySQL, XHTML, CSS

Applications

- Subversion, Microsoft Visual Studio 2008, SSH, SourceForge, FlashDevelop, Adobe Photoshop, Flash, Dreamweaver, Microsoft Office

Operating Systems

- Microsoft Windows 7/Vista/XP, Mac OS X, Unix, Linux

Spoken Languages

- Hmong