

Eric Charles Mai

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Professional Experience

Project Manager *Dept. of Civil and Environmental Engineering, UC Berkeley. Jan 2010 – Present*

- Involved in fund-seeking, leadership, planning, and development on a \$900K research project to model travelers' behavior, specifically how mode choice is influenced by real-time information and peer behavior.
- Act as the primary point of contact to government and research agencies such as MTC, Caltrans, and CCIT.
- Develop and maintain web- and iPhone-based applications for internal and public use (e.g., *BayTripper*, with over 1,000 active weekly users, the #4 San Francisco app under "City Guides" in the App Store).

Software Engineer *Self-Employed. Feb 2009 - Present*

- Web and iPhone development in the field of transportation. Primary developer of iPhone app *Cabulous* which displays cabs on a map in real-time for direct hailing (#6 San Francisco app under "City Guides").

Research Team Leader *University of Oklahoma, School of CEES (with Dr. Pei). Apr 2005 - Jan 2008*

- Student leader of 15 undergraduate, masters, and PhD students across 7 research projects. Led team meetings, purchased supplies, taught research and professional skills, oversaw and consulted on all projects.
- Lead-Authored one conference paper, co-authored ten conference papers, and co-authored four journal papers on structural engineering and wireless sensor networks. Presented research at conferences.
- Guest lectured for CE 3403: Materials, an upper division class of 41.

REU Program Leader *University of Oklahoma, School of CEES (with Dr. Pei). June - Aug 2007*

- Led REU students in a study on obtaining and visualizing nonlinearities using small timber models.
- Made schedules, assigned tasks, taught good research habits, facilitated interdisciplinary teamwork.

Visiting Research Assistant *Columbia University, CEEM Dept (with Profs Smyth & Betti). June - Aug 2006*

- Aided in running shaking table tests, worked to understand a theoretical hybrid sensing problem.

Engineering Intern *Oklahoma Department of Transportation. May - Aug 2005*

- Oversaw construction acting as a mediator between the state, city, design engineers, and contractors.

Education

University of California, Berkeley, Berkeley CA

M.S. in Civil Engineering, Civil Systems Program. Focus on Intelligent Transportation Systems, urban design.
GPA (weighted): 3.72.

University of Oklahoma, Norman OK

B.S. in Civil Engineering, *Summa Cum Laude*. Minors in Mathematics and Religious Studies.
Overall GPA: 3.95. Major GPA: 3.98. Hours completed: 190. EIT certified.

Awards and Scholarships

UC Berkeley CE Departmental Block Grant (2008), Ted A. Kritikos Professorship of Civil Engineering (2006), Oklahoma Department of Transportation / Poe Civil Engineering Scholarship (2005), Owensby Family Civil Engineering Scholarship (2005), National Merit Scholarship (2003), Oklahoma State Regents for Higher Education Scholarship (2003).

Hobbies and Activities

Writing, recording, and performing music, Graphic design, Web development, DIY electronics and hardware fabrication, Brainstormer Grand Pub Quiz Finalist (2010), Hurricane Katrina relief volunteer (2007)

Computer Skills

Objective-C, PHP, XHTML, HTML5, AJAX, JavaScript, XMPP, MySQL, XML, CSS, Flash, Photoshop, Illustrator.