

Chen-Hsiang (Jones) Yu

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EDUCATION

- Massachusetts Institute of Technology (MIT), Cambridge, MA** expected 2012
Ph.D. candidate, EECS
Advisor: Prof. Robert C. Miller, Dept. of EECS, MIT, Cambridge, MA.
- National Taiwan University (NTU), Taipei, Taiwan** 2000
M.S. in Department of Computer Science and Information Engineering (CSIE) GPA 4.0/4.0
Advisor: Prof. Jieh Hsiang, Dept. of CSIE, NTU, Taipei, Taiwan.
- Tamkang University (TKU), Taipei, Taiwan** 1998
B.S. in Department of Computer Science and Information Engineering (CSIE) GPA 3.905/4.0
Advisor: Prof. Chin-Hwa Kuo, Dept. of CSIE, TKU, Taipei, Taiwan. Rank: 1/126

EMPLOYMENT

- User Interface Design (UID) group, MIT CSAIL, Cambridge, MA.** 09/06 - present
Research Assistant
 - Focused on solving web page usability issues in desktop and mobile browsers.
 - Enhanced web page readability for non-native English readers and supported continuous reading for mobile users.
 - Contributed to the Chickenfoot project, which is a Firefox extension providing a programming environment for programmers to write scripts to manipulate Web pages and automate web browsing.
- IBM T.J. Watson Research Center, Cambridge, MA.** 06/10 - 09/10
Research Intern
 - Focused on enhancing the readability of blogs in enterprise social software for non-native English readers.
 - Designed and implemented a Firefox extension, *Clearly*, to utilize web customization techniques and leverage readers' geographic social networks to improve the readability of blogs.
- Quanta Computer, Tao Yuan, Taiwan.** 07/00 - 06/06
Associate Technical Manager
 - Was a technical coordinator of Quanta's Dual-Mode handset project, which was a two-year research project focusing on investigating new technologies for next generation wireless telecommunication.
 - Was a team lead of WAP team (12 members) and Knowledge Repository Team (4 members).
 - Developed a mobile WAP browser for mobile devices and more than 12 mobile devices were commercialized, including Siemens 8008/ST55/ST60, Panasonic GD55/G50/G51/G70/X300, Philips 568, NEC N110, etc.

RESEARCH PROJECTS (Selected)

Read4Me: Supporting Continuous Reading on a Mobile Device

Read4Me project focuses on understanding mobile users' difficulties and proposing innovative ideas to enhance mobile reading and browsing. This research uses orientation sensor information to detect human natural interaction and text-to-speech (TTS) to continue reading between different activities. Read4Me browser is a mobile app for Android devices.

Froggy: Enhancing Web Page Readability

Froggy project focuses on enhancing web page readability for non-native English readers. This research studies the presentation of content and proposes a new transformation method, Jenga Format, to enhance web page readability. We introduce a new Firefox extension, Froggy, which not only implements the studied transformation method, but also introduces new ideas for readability improvement.

SKILLS

Languages: Mandarin Chinese (native), Taiwanese (native), English (fluent), Japanese (fair).

Programming Languages: Java, C, JavaScript, HTML/CSS, PHP, Python, Perl, MATLAB.

Programming Domains: Web Programming, Mobile App Programming, Real-Time Embedded Systems.

Others: Technical Management of Products, Team Coordination and Management.

HONORS & AWARDS (Selected)

- 2012.05: A semi-finalist in Student Research Competition (SRC) at CHI 2012.
- 2012.03: MIT 2012 iCampus Prize First Round Winner - Judge's Choice Winner.
- 2012.02: The 3rd Place in MIT's First Mobile App Development Competition.
- 2011.01: A semi-finalist team in MIT \$100K Executive Summary Competition (ESC).
- 2003.11: Selected as an Outstanding Military Servant at Quanta Computer Inc. in 2003.