

Walter Chang

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Objective

To pursue an academic job or internship, with a research focus on practical static analysis for large-scale programs.

Experience

Teaching Assistant **2004-present**

Department of Computer Science
The University of Texas at Austin **Austin, TX**
Led discussion section, held office hours, and graded assignments for CS315H, Honors Data Structures and Algorithms.

Research Assistant **2002-present**

Department of Computer Science
The University of Texas at Austin **Austin, TX**
Graduate research assistant under Prof. Calvin Lin. Currently working on techniques for static program analysis and error checking.

Developer **2002**

International Business Machines
Server Group, pSeries Software Development **Endicott, NY**
Developed firmware update utility for the Hardware Management Console for IBM pSeries servers.

Teaching Assistant **2001-2002**

Department of Computer Science
Cornell University **Ithaca, NY**
Led discussion section, held office hours, and graded assignments for CS312, Structure and Interpretation of Computer Programs.

Developer **2001**

International Business Machines
Almaden Research Center **Almaden, CA**
Developed prototype digital media set-top box and server.

Grader **2000-2001**

Department of Computer Science
Cornell University **Ithaca, NY**
Graded student assignments and held office hours for CS312, Structure and Interpretation of Computer Programs.

Research Assistant **2000–2002**

Department of Electrical Engineering

Cornell University

Ithaca, NY

Founded the Cornell Autonomous Underwater Vehicle team. Designed, built, and programmed an embedded computer as part of a fully autonomous robotic submarine.

Research Assistant **1999–2000**

Department of Computer Science

Cornell University

Ithaca, NY

Researched Internet topology issues and developed software for automatic network topology discovery.

Education

Doctor of Philosophy in Computer Science **2002–present**

The University of Texas at Austin

Austin, TX

Advisor: Calvin Lin

In progress

Bachelor of Arts in Computer Science **1998–2002**

Cornell University

Ithaca, NY

Graduated May 2002

Nondegree, Part-Time **1995–1998**

Indiana University

Bloomington, IN

Concurrently enrolled with high school.

Honors and Awards

Microcomputer Development (MCD) Fellowship **2002**

Cornell Presidential Research Scholars **1998**

Skills

Languages (Computer)

Java, C++, C, Standard ML, OCaml, Scheme, Lisp

Languages (Human)

English, Mandarin Chinese (conversational)

Technical Background

Compilers, Programming Languages, Embedded Systems

Operating Systems

Linux, Windows

References

Available on request