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Parth Upadhyay

Education

08/10 - 05/14 **University of Texas at Austin, B.S. in Computer Science, GPA: 3.91 / 4.00.**
Honors Programs: Dean's Scholars, Turing Scholars

Relevant Coursework: Advanced Operating Systems, Graduate Compilers, Artificial Intelligence, Programming Languages, Computer Networks, Parallel Systems, Automata Theory

Employment History

01/13 - Current **Teaching Assistant, Operating Systems, Dr. Michael Walfish.**

Assisted students with subject matter by leading discussion sections and office hours.

05/12 - 08/12 **Software Development Intern, Facebook, Seattle, WA.**

Worked on the Real Time Infrastructure Team, specifically with Chat.

- o Built and improved upon tools for assessing chat reliability

11/11 - 05/12 **Software Development Intern, Loku, Austin, TX.**

Startup trying to solve the problem of local search. Assisted in the development of a distributed webcrawler framework using Node.js and redis.

08/11 - 12/11 **Undergraduate Teaching Assistant - Research Methods, University of Texas.**

A unique class taught by the Dean and offered to Dean's Scholars and other Honors Students as a precursor to the Freshmen Research Initiative.

- o Mentored a small group of students in the area of research and independent inquiry.

05/11 - 08/11 **Financial Software Development Intern, Bloomberg L.P., New York, NY.**

- o Built infrastructure to support data retrieval from new exchanges
- o Developed internal tools to optimize quality control in the development process

Research

08/11 - 12/11 **Client Driven Pointer Analysis, Advisor: Calvin Lin.**

Implemented a subset of Samuel Guyer's Ph.D Thesis concerning "client driven pointer analysis" in LLVM with a team of undergraduates.

01/11 - 05-11 **Freshmen Research Initiative: Autonomous Vehicles, Advisor: Michael Quinlan.**

Worked on developing infrastructure to help the autonomous vehicle react more dynamically to signs.

Skills

Proficient Java, Python, C/C++, *NIX platforms

Experienced Lisp/Scheme/Clojure, Javascript, Node.js, redis, JQuery, Amazon EC2, Chef, XHTML/CSS, MYSQL, LLVM, Google App Engine, Git/Subversion,

Organizations

Texas 4000 2014 Rider Selected to be a member of the nonprofit organization Texas 4000 where each member raises \$4,500 for cancer research in addition to biking 4000 miles from Austin to Alaska to raise awareness and engage local communities.