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# Parth Upadhyay

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## Education

- 08/10 - 05/14 **University of Texas at Austin, Computer Science, B.S. GPA: 3.84 / 4.00.**
- Relevant Coursework: Advanced Operating Systems, Compilers, Artificial Intelligence, Programming Languages, Network Security/Privacy, Distributed Computing, Multicore Programming

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## Employment History

- 01/13 - 12/13 **Teaching Assistant, Operating Systems, Dr. Michael Walfish, Dr. Ahmed Gheith.**  
Spent two semesters leading discussion sections, developing assignments, holding office hours, and engaging students in learning the material.
- 05/13 - 08/13 **Software Development Intern, Square, San Francisco, CA.**  
Worked on a full-stack product team developing and improving various Square services with extensive TDD. Worked primarily in ruby, javascript, and java.
- 05/12 - 08/12 **Software Development Intern, Facebook, Seattle, WA.**  
Worked on the Real Time Infrastructure Team, specifically with Chat.
  - Built and improved upon tools for assessing chat reliability
- 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.
  - 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.**
  - Built infrastructure to support data retrieval from new exchanges
  - Developed internal tools to optimize quality control in the development process

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## Skills

- Proficient Java, Ruby, C/C++, \*NIX platforms
- Experienced Python, Javascript, Node.js, JQuery, HTML/CSS, Git/Svn, Rspec, Django, MVC

- Projects Implemented a threadpool and network proxy in C, and implemented large parts of the JOS operating system. Implemented many graph algorithms (sssp, connected components, pagerank) efficiently for multiple cores. Co-authoring a CMS in Django for Texas 4000.

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## Organizations

- Texas 4000 Raised over \$4,500 dollars and bike over 4000 miles from Austin to Alaska to raise money for cancer research and raise awareness and engage local communities along the way. Coordinated programs across the country as part of Program Development Committee, and was responsible for all gear and equipment issues as Equipment Chair.
- Dean's Scholars Council Led high school tutoring, community service events, and organized social events to engage dean's scholars with the community and one another.