

Matthew E. Dee

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Citizen of USA and UK

Education

Carnegie Mellon University, Pittsburgh, PA - *BS in Computer Science, May 2016*

Current GPA: 3.97

Singapore American School, Singapore – *Graduated High School June 2012*

Technical Skills

Languages: Python, Java, C/C++, SML

Tools: Unix, Git, Mercurial

Experience

Dropbox – San Francisco, CA

Software Engineering Intern, Desktop Client [Sync Quality] (May - August 2015)

- Rewrote significant parts of LAN Sync (syncing files between computers on the same network), improving code quality and performance in important cases.
- Spotted problems with and helped to redesign the file download pipeline.

Palantir Technologies – Palo Alto, CA

Software Engineering Intern, Internal Tools (May - August 2014)

- Designed, implemented, and deployed a service which allows developers to fetch dependencies for their projects much faster
- Wrote tools to help other engineers work more efficiently and spend less time waiting

Square – San Francisco, CA

Software Engineering Intern, Payments Infrastructure (May - August 2013)

- Created a system to analyze payment data and determine the effects of changes to payments logic before they were put into place
- Modified the payments logic to allow Square to approve an additional \$1M of transactions per week

Teaching Assistant - Carnegie Mellon University, Pittsburgh PA

Fall 2013 – Spring 2015

- Taught courses in C and SML, teaching data structures and algorithms
- Led recitations and held weekly office hours
- As a lead TA, helped organize other TAs and lead review sessions

Personal Projects/Achievements

Wiki-Graph – A website which allows users to treat Wikipedia as a graph of links

- Designed a system to parse Wikipedia and store article relationships in a custom format.
- It was capable of finding the shortest path between articles in under 1 second

Competition Programming – Part of Carnegie Mellon's competition programming program

- My team won 11th place (of over 100) at the 2014 ACM ICPC Regionals my first year

Android App Development – Self-taught Android developer

- Developed a free app which has been downloaded over 50,000 times