

Eddy Yeo
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F1-Visa (Nationality: Singapore)

Education:

Senior
GPA: 4.0
B.S. in Computer Science and Statistics
Carnegie Mellon University

Work Experience:

Facebook Internship (Summer 2015)

- Worked with the feed data team
- Implemented an internal user clustering tool

Google Internship (Summer 2014)

- Worked on the Similar Hotels feature in Google's Hotel Finder (google.com/hotels)
- Was pushed to production as an experiment at the end of the summer

International Internship at Infosys (Summer 2012)

- Developed a mobile web application for monitoring electrical usage in office buildings
- Internship took place in Bangalore, India

Programming Projects:

Operating Systems (Fall 2014)

- Implemented stack trace utility for C functions
- Implemented console, keyboard and timer drivers
- Wrote a Unix-inspired kernel from scratch (excluding file system. was provided with boot loader and some utils like kernel malloc)

Compilers (Fall 2015)

- Implemented a compiler for c0, a safe subset of C
- Implemented a semi-conservative "stop-the-world" mark-and-sweep garbage collector
- Compiler was written in OCaml, runtime in C

N-Store: Database for non-volatile memory (Spring 2015)

- Worked with graduate student in CMU
- Contributed to the design and early implementation of the tile-based execution engine

Distributed Systems (Spring 2014)

- Project 1: Client/server protocol on top of UDP for distributed hashing (simplified Bitcoin mining)
- Project 2: Distributed key-value store with consistent hashing
- Project 3: Distributed playlist consensus using paxos algorithm with synchronized music playback
- Project 3 was voted best final project

Wrote a web-based poker room (two-player) for a web game development class (Fall 2013)

- Written in node.js, socket.io, paper.js
- Implemented poker game logic (heads up)

Developed Scheddit, a course planning web application (backend) (Fall 2013)

- Generates course plan for college students
- Algorithm takes into account prerequisite classes and which semesters the classes are offered
- Uses a variant of priority-first search on a generated graph representing classes and prerequisite relations
- Written in node.js/Express, SQLite

Participated in HackCMU (Fall 2013)

- Wrote a web app to help roommates keep track of shared expenses (PayUpDawg)
- Written in Python/Django, Bootstrap, SQLite

Placed in the top five for the Facebook Pittsburgh Regional Hackathon (Fall 2012)

- Wrote a new user-interface for Facebook
- Browser-based Unix-like Terminal written in Javascript

Wrote MyBus, an Android app that tracks bus times (Spring 2012)

- Simple app that makes API requests
- Play store link: <https://play.google.com/store/apps/details?id=edu.comp.myBus>