Eddy Yeo

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F1-Visa (Nationality: Singapore)

Education:
Senior
GPA: 4.0
B.S. in Computer Science
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