Eddy Yeo
Curriculum Vitae

PERSONAL DETAILS

Email	eddy.yeo@gmail.com
Nationality	Singapore
Visa	F1

EDUCATION

BS. Computer Science, Additional Major in Statistics　　　2012-2016
Carnegie Mellon University

GPA: 4.0

Notable Coursework: Operating Systems, Compiler Design, Distributed Systems, Probability and Computing, Machine Learning, Data Analysis

WORK EXPERIENCE

Full-time　　　August 2016 (Future)
Two Sigma

Internship　　　Summer 2015
Facebook

Worked with the feed data team to build an internal user clustering tool.

Internship　　　Summer 2014
Google

Worked on the Similar Hotels feature in Google's Hotel Finder. Code was pushed to production as an experiment at the end of the summer.

Internship　　　Summer 2012
Infosys

Worked on a mobile web application for monitoring electrical usage in office buildings. Internship took place in Bangalore, India.

MACHINE LEARNING PROJECTS

Neural Turing Machine　　　Spring 2016

Implemented a type of recurrent neural network that makes use of explicit memory and attentional processes (by Graves et al.) using TensorFlow.

SYSTEMS PROJECTS

Operating System Kernel　　　Fall 2014

Wrote a Unix-inspired kernel from scratch, but excluding the file system. Was provided with the boot loader and various utility code like kernel malloc.

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

Distributed Systems
Spring 2014
Implemented a client/server protocol on top of UDP for distributed hashing (simplified Bitcoin mining). Implemented a distributed key-value store with consistent hashing. Implemented a distributed music playlist using paxos, with synchronized music playback. The playlist was voted best final project.

N-Store: Database for Non-Volatile Memory
Spring 2015
Worked with a graduate student in CMU and contributed to the design and early implementation of the tile-based execution engine.

WEB PROJECTS

Web-based Poker Room
Fall 2013
Wrote a heads-up poker room using node.js/socket.io/paper.js.

Scheddit
Fall 2013
Wrote an app that generates a course plan for college students using a variant of priority-first search, taking into account prerequisite relations between classes. Was written in node.js/Express.

PayUpDawg
Fall 2013
Wrote an app that splits expenses between room mates. Was written in Python/Django.

FB Terminal
Fall 2012
Wrote a new user-interface for Facebook, where users navigate the site using shell commands in a browser-based unix-like terminal.

MyBus
Spring 2012
Wrote an Android app to check bus arrival times in Champaign-Urbana.