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 - Now`
Two Sigma

   Working on data engineering.

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.