

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.

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

Fall 2015

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.