

David Luu

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Education

B.S. Computer Engineering

GPA: 3.88, Booker Award, College/Provost Honors

University of California, San Diego

September 2013 to June 2017

Coursework

Data Structures: C

Advanced Data Structures: C++

Algorithm Design and Analysis

Software Engineering: Java / Android

Theory of Computability: Haskell

Operating Systems: C

Modern Cryptography: Python

Computer Security: C / Python / JS

Programming Languages: OCaml / Scala

Compiler Construction: Java

HCI: HTML / CSS / JS / MongoDB

HCI Studio: HTML / CSS / JS / PostgreSQL

Web Client Languages: HTML / CSS / JS

Server-Side Web Apps: Java / PostgreSQL

Database System Principles: SQLite

Skills

Programming Languages

- JavaScript
- C/C++
- Java
- Python
- Haskell
- Scala

Web Tech/Databases

- HTML 5
- CSS 3
- Node.js
- Express
- MongoDB
- PostgreSQL

Web Frameworks/Tools

- React
- Vue.js
- jQuery
- D3.js
- Sass
- Webpack

Other Tools

- Bash / Fish
- Git + GitHub
- GDB
- Amazon Web Services
- Heroku
- Google Analytics

Experience

Amazon

Software Engineer

- *To be updated as work progresses*

Sunnyvale, California

August 2017 to Present

UCSD Design Lab

Undergraduate Research Assistant

- Worked in a diverse team of researchers, designers, and developers to rapidly produce live prototypes.
- Built multiple websites to promote and explain current lab projects to stakeholders.

La Jolla, California

January 2017 to May 2017

UCSD CSE Department

Undergraduate Tutor

- Served as a tutor for CSE 105 (Theory of Computability) and CSE 20 (Discrete Mathematics).
- Assisted students with homework and understanding class concepts in person during office hours and online on Piazza.
- Graded homework and proctored/graded exams in addition to standard tutor duties.

La Jolla, California

September 2015 to June 2017

West Basin Municipal Water District

Information Technology Intern

- Provided on-site technological support in resolving PC, printer and network problems for an office of 50 people.
- Designed and developed a user-friendly contacts database solution for over 5,000 contacts using Microsoft Exchange, resulting in the adaptation of the database across multiple teams.
- Developed, tested and deployed a series of command-line scripts in order to expedite daily IT tasks, resulting in the adaptation of these tools across the IT team.

Carson, California

July 2014 to September 2014, June 2015 to September 2015

Projects

Dopelst - Playlist CRUD Web App

HTML + CSS + JS (Vue.js) + Firebase

- Developed a modern single-page application using Vue.js, vue-router, and vuefire (for Firebase bindings).

<https://dopelst-a697d.firebaseio.com>

Continuous

Pollr - Political Awareness Web App

HTML + CSS + JS + Node.js (Express) + PostgreSQL + MongoDB

- Developed and deployed the server using Node.js, Express, MongoDB, PostgreSQL, and Heroku.
- Developed server-side data manipulation methods and client-side data integration methods in order to efficiently produce D3.js visualizations.

<https://pollrsd.herokuapp.com>

March 2016 to June 2016

Personal Portfolio Website

JS (React)

- Designed my personal website focusing on responsive animation and minimalistic design.
- Developed my personal website using React, react-router, and styletron (for CSS).

<https://davidluu.me/>

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