

Bryan Ngo

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Education

University of California, Davis

B.S. IN COMPUTER SCIENCE AND ENGINEERING, MINOR IN STATISTICS

- Major GPA: 3.5/4.0

Davis, CA

Sep 2015 - Exp. Jun 2019

Relevant Coursework: Data Structures & Programming, Software Engineering, Algorithm Design, Programming Languages, Cryptocurrency Technologies, Discrete Mathematics, Computer Networks, Computer Architecture, Operating Systems, Computer Vision, Parallel Architectures.

Work Experience

Course Hero

SOFTWARE ENGINEERING INTERN

- Enhanced administrative data analysis tools for AB tests by adding caching functionality.
- Implemented a manual document processing tool used to validate several thousand documents every week.
- Full stack web development using Doctrine, Docker, MariaDB, PHP, and Symfony.

Redwood City, CA

Jun 2018 - Sep 2018

Genentech

BIOLOGICS DRUG SUBSTANCE MANUFACTURING IT INTERN

- Used Tibco Spotfire Analytics to identify discrepancy patterns in drug manufacturing data.
- Conducted meetings with clients to gather user requirements for a web application interface built with Grails.
- Implemented small data analysis tools in Google Apps Scripts to, saving hours of work per week.

Vacaville, CA

Jun 2017 - Sep 2017

Skillset

Languages (Proficient): C++, HTML, CSS, JS, Google Apps Script

Languages (Familiar): C, Java, Python, Bash, Prolog, Lisp, PHP, R, Matlab, Jade

Platforms & Frameworks: Linux, Apache, MySQL, MariaDB, MongoDB, Express, Angular, Node.js, Symfony, macOS

Useful Tools: Git, \LaTeX , Vim, CLI, Spotfire, Jenkins

Extracurricular Activities

DCSC (Davis Computer Science Club)

CORE MEMBER '15 & SECRETARY '16 & TREASURER '17 & PRESIDENT '18 & TUTOR

- Assisted in building a stronger CS community on campus by providing networking and programming events to hundreds of students.
- Budgeted several thousand dollars of finances for the school year.
- Improved communication of CS concepts by tutoring students for 3 hours a week in lower and upper division CS courses.

Davis, CA

Sep 2015 - PRESENT

BCNC (Business Careers and Networking Club)

CO-DIRECTOR OF TECHNOLOGY

- Deployed a full stack web application using Mongo, Express, Angular, and Node to enable future web development projects within the club.
- Developed internal tools for the club such as a board application service and an automated website event updater.
- Regularly communicated with board members to gather requirements for new internal tools.

Davis, CA

May 2017 - Jun 2018

Projects

Magic Mirror | Add Some Tech to your Morning Routine

SKILLS/TOOLS: NODE.JS, MAGICMIRROR² - [HTTPS://GITHUB.COM/BRYNGO/MAGICMIRROR](https://github.com/bryngo/magicmirror)

- Built an interactive two-way mirror powered by a Raspberry Pi and an open source MagicMirror framework.
- Enables users to see the weather, read the news, and more.
- Contributed an open source slideshow module to the developer community.

Jul 2017

TravelBuddy (CalHacks) | Eat more, stress less

SKILLS/TOOLS: PYTHON, JINJA - [HTTPS://GITHUB.COM/BRYNGO/TRAVELBUDDY](https://github.com/bryngo/travelbuddy)

- Used the Google Vision, Google Maps, and Wikipedia API to implement a reverse search application for finding nearby restaurants.
- Users can upload photos of food to learn about the history and where to buy it.

Oct 2017

Personal Site Auto-Blogger | Trying to avoid typing HTML

SKILLS/TOOLS: MONGO, EXPRESS, ANGULAR, JADE, NODE - [HTTPS://GITHUB.COM/BRYNGO/PERSONALSITE](https://github.com/bryngo/personalsite)

- Used Node to create a client-side permission-based blog updater for my personal site.

On-going