Bryan **Ngo**

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Education

University of California, Davis   *Davis, CA*

B.S. in Computer Science and Engineering, Minor in Statistics   *Sep 2015 - Exp. Jun 2019*

- Major GPA: 3.5/4.0

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

Work Experience

Genentech   *Vacaville, CA*

Biologics Drug Substance Manufacturing IT Intern   *Jun 2017 - Sep 2017*

- Used Tibco Spotfire Analytics to identify discrepancies 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.

Course Hero   *Redwood City, CA*

Software Engineering Intern   *Jun 2018 - Sep 2018*

- Implemented and tracked AB test results across the site.
- 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 development using Doctrine, Docker, MariaDB, PHP, and Symfony.

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, Symphony, macOS
Useful Tools: Git, LaTeX, Vim, CLI, Spotfire, Jenkins

Extracurricular Activities

BCNC (Business Careers and Networking Club)   *Davis, CA*

Co-Director of Technology   *May 2017 - Jun 2018*

- 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 an officer application system and an automated website event updater for other officers to use.
- Regularly communicated with board members to gather requirements for new internal applications.

DCSC (Davis Computer Science Club)   *Davis, CA*

Core Member '15 & Secretary '16 & Treasurer '17 & President '18 & Tutor   *Sep 2015 - PRESENT*

- 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.

Projects

Magic Mirror | **Add Some Tech to your Morning Routine**

Skills/Tools: Node.js, MagicMirror^2 - https://github.com/bryngo/MagicMirror   *Jul 2017*

- 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.

TravelBuddy (CalHacks) | **Eat more, stress less**

Skills/Tools: Python, Jinja - https://github.com/bryngo/TravelBuddy   *Oct 2017*

- 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.

Personal Site Auto-Blogger | **Trying to avoid typing HTML**

Skills/Tools: Mongo, Express, Angular, Jade, Node - https://github.com/bryngo/PersonalSite   *On-going*

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