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.

Work Experience

Genentech *Vacaville, CA*

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

- Prototyped a full stack web application using Grails that allowed users to read and write to a database with more than a million lines.
- Used the previously mentioned database to create automated data analysis dashboards with Tibco Spotfire.
- Conducting meetings with clients to gather user requirements for the web application.
- Deployed Google Apps Scripts to automate smaller data analysis procedures in Google Sheets, saving an hour of work per week.

Skillset

Languages (Proficient): C++, HTML, CSS, JS, Google Apps Script
Languages (Familiar): C, Java, Python, Bash, Prolog, Lisp, PHP, R, Jade
Platforms & Frameworks: Linux, Apache, MySQL, MongoDB, Express, Angular, Node, Grails, macOS
Useful Tools: Git, LaTeX, Vim, CLI, Spotfire

Extracurricular Activities

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

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

- Assisted in building a stronger CS community on campus by providing networking and programming events to over 100 students at least once a week for 10 weeks per quarter.
- Improved my communication of CS concepts by tutoring students for 3 hours a week in lower division CS courses.

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

Co-Director of Technology *May 2017 - PRESENT*

- Implemented a full stack web application using MEAN to improve networking capabilities for over 13 partner organizations.
- Assisted in maintaining the club website using Jade/CSS/JS.
- Developed internal tools for the club such as a new officer application system and a website event updater UI for other officers to use.

Projects

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

Skills/Tools: JavaScript, MagicMirror² - https://github.com/bryngo/MagicMirror *Jul 2017 - Present*

- Built an interactive magic mirror powered by a Raspberry Pi and an open source MagicMirror framework.
- Enables users to see the weather, read the news, and more - all without using a mobile device.
- 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 *October 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.

League Report Card | **Play Smarter**

Skills/Tools: Java - https://github.com/bryngo/LeagueReportCard *Apr 2017 - May 2017*

- Implemented a match summary reporter using a Java wrapper for the Riot Games API.
- Writes data to a csv file to be read into data visulizations.

Visu-rithm (HackDavis) | **Visual Algorithms for the Curious Programmer**

Skills/Tools: Swift, SpriteKit - https://github.com/bryngo/Visu-rithm *Jan 2017*

- Implemented an insertion sort visualization for iOS using SpriteKit to help new programmers understand basic algorithms.