# 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.

## 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.

**Course Hero**                                                                                 *Redwood City CA*

SOFTWARE ENGINEERING INTERN (INCOMING)                                                  *Jun 2018 - Sep 2018*

- TBA

## 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

**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.
- Developed internal tools for the club such as a new 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 & 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.

## Projects

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

SKILLS/TOOLS: JAVASCRIPT, MAGICMIRROR$^2$ - HTTPS://GITHUB.COM/BRYNGO/MAGICMIRROR                *Jul 2017 - Present*

- 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 - 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.

**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.