

# Bryan Ngo

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## Work Experience

### Course Hero

Redwood City, CA

INTERN/SWE II/SENIOR SOFTWARE ENGINEER - SEO | FULL STACK DEVELOPMENT USING AWS, KUBERNETES, GOLANG, & SYMFONY Jun 2018 - Sep 2018 & Sep 2019 - Present

- Developed & maintained sitemap architecture with AWS Athena & Airflow to support hundreds of millions of urls.
- Deployed highly scalable Golang / Node microservices with Kubernetes to support business needs & improve sitewide performance & quality.
- Utilized data monitoring tools such as Datadog, New Relic, AWS monitoring, & Kubernetes to make data-informed decisions on memory management & service performance.
- Developed internal Automated E2E QA tooling with Node microservices & Kubernetes.
- Interviewed & onboarded new engineers through technical bootcamps.

### Genentech

Vacaville, CA

BIOLOGICS DRUG SUBSTANCE MANUFACTURING IT INTERN | DATA ANALYSIS USING TIBCO SPOTFIRE ANALYTICS & GRAILS

Jun 2017 - Sep 2017

- Identified trends in 15+ years of drug manufacturing discrepancy data.
- Automated data analysis tools in Google Apps Scripts to save 10+ hours a month.

## Education

### University of California, Davis

Davis, CA

B.S. IN COMPUTER SCIENCE & 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, Parallel Architectures.

## Skillset

**Languages (Proficient):** C, C++, Golang, HTML, CSS, Javascript, Google Apps Script

**Platforms & Frameworks:** AWS (SQS, SNS, Athena, Cloudwatch, ECS, DynamoDB), Kubernetes, MySQL, MariaDB, MongoDB, React, Node.js, Symfony

**Useful Tools:** New Relic, Datadog, Gitlab, Jenkins, Airflow

## Extracurricular Activities

### Codepath

Online

CODEPATH MENTOR

Jun 2022 - Present

- Met with students from the program to give direction on career & technical projects.
- Regularly pair programmed & gave career advice to my mentee.

### DCSC (Davis Computer Science Club)

Davis, CA

CORE MEMBER '15 & SECRETARY '16 & TREASURER '17 & PRESIDENT '18-'19 & TUTOR

Sep 2015 - Jun 2019

- Assisted in building a stronger CS community on campus by providing networking & programming events to hundreds of students each year.
- Oversaw operations & budgeted over \$2,000 for marketing, technology, & external outreach teams.

## Projects

### Content-Aware Image Resizer

SKILLS/TOOLS: MATLAB - SOURCE CODE AVAILABLE UPON REQUEST

May 2018

- Implemented a dynamic programming version of the content-aware image resizing technique described in Shai Avidan & Ariel Shamir's SIGGRAPH 2007 paper, "Seam Carving for Content-Aware Image Resizing".