

# Daniel Nguyen

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## EDUCATION

**UC SAN DIEGO**  
B.S. IN COMPUTER SCIENCE  
MINOR IN MATHEMATICS  
La Jolla, CA  
Graduation: June 2020  
Major GPA: 3.8

## LINKS

Github: [hnguyen0428](#)  
LinkedIn: [hnguyen0428](#)

## COURSEWORK

### UNDERGRADUATE

Computer Networks  
Computer Security  
Computer Vision  
Deep Learning  
Natural Language Processing  
Operating Systems  
Programming Languages  
Recommendation Systems  
Systems Programming  
Unix Tools and Scripting  
*(For more information about these courses, visit my personal website.)*

## SKILLS

### PROGRAMMING

Proficient:  
Java • Python • C • C++  
JavaScript • Assembly  
Intermediate:  
PHP • Ruby • Swift  
Familiar:  
SQL • HTML • CSS

### TOOLS/Frameworks

Laravel • Node.js • React/ReactNative •  
Spring • PyTorch • Terraform • AWS •  
Apache • Unix • Flask • Firebase •  
MongoDB • Docker • Jenkins

## EXPERIENCE

### FACEBOOK | SOFTWARE ENGINEERING INTERN

Jun. 2019 - Sep. 2019 | Menlo Park, CA

- Worked on the events notifications backend, which sends out notifications daily.
- Created data pipelines that target notifications to appropriate users in order to increase CTR.

### TERADATA | SOFTWARE ENGINEERING INTERN

Jun. 2018 - Sep. 2018 | San Diego, CA

- Created a dashboard that displays metrics such as Memory Usage, Paging Activity, Jenkins Jobs' statuses, and active docker containers, helping the team visualize their products' performance and server usage.
- Increased team's response time to API system failures by writing a test suite that upon failure, logs and alerts the person on call.
- Used Terraform to deploy an AutoTag system to tag AWS resources created with the owner's names. This helps prevent wasting resource hours when team members forget to shut down the resources they created.

### UCSD CSE DEPARTMENT | CSE TUTOR

Jan. 2018 - Present | La Jolla, CA

- Explained course concepts and helped students debug programming assignments. Occasionally held discussions and quiz reviews.
- Courses: Systems Programming using Assembly (ARM architecture) and C, Intro to Object Oriented Programming

## PROJECTS

### STYLE LINTER Mar. 2019

- A style linter for C and ARM assembly that checks for code indentations, "magic" numbers, and general code styling error.

### CODE SNIPLER Sep. 2018

- A React web application aimed to aid developers to quickly search up code snippets to accomplish common tasks while programming.
- Implemented a search filter based on the popularity of the code snippets to show relevant results.
- Built stateless authentication system with authorization tokens that give access to the REST API.
- Created user-personalized feed where users could view snippets they have saved or created.

### LET'S MEET Dec. 2018

- Created backend (using Node.js) for handling complex search queries to our Firebase database.
- Optimized performance of application by caching search results on the backend and also caching images on our ReactNative application.

### ZENYTH Jun. 2017

- Handled request throttling when certain user makes too many requests to the same API endpoint.
- Cached JSON response with Redis in order to send out responses faster.
- Used Google Maps API to mark locations of events and Facebook/Google OAuth for authentication.