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

TOOLS/FRAMEWORKS
Node.js • React/ReactNative • PyTorch •
Terraform • AWS • Unix • MongoDB •
Docker • Jenkins

EXPERIENCE

FACEBOOK | Software Engineering Intern
Jun. 2019 - Sep. 2019 | Menlo Park, CA
- Created data pipelines that generated the notifications candidate table daily.
- Created the landing page of the notification and added loggings to measure RSVPs and page follows.
- Scheduled notifications to be sent at the best time corresponding to each user in order to increase CTR and number of actions on the landing page.

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 SNIPPLER 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.

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.