

Neil Tengbumroong

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Education

University of California - San Diego
B.S. Computer Science **3.53 (3.65 Major) GPA**

La Jolla, California
Graduating June 2021

Extracurriculars: NCAA Men's Tennis **Captain** • 3-time ITA Scholar-Athlete • Triton Athletic Council Representative

Skills

Languages: Java • JavaScript (React, Angular, Node.js, Express) • TypeScript • Python • HTML/CSS
Tools/Technologies: AWS (S3, EC2) • NoSQL (MongoDB) • SQL (PostgreSQL) • Docker • Rest APIs • Spring
Bootstrap • Jira • Git • NPM • Maven • Jenkins • Cucumber

Employment History

Software Engineering Co-Op

Santa Clara, California

Roche (sequencing.roche.com)

Jan 2021 - present

- Full-stack intern on **Navify Mutation Profiler**, a clinical biotech software tool facilitating tertiary analysis in NGS
- Investigated and developed fixes for back-end, database, and S3 defects, implemented functionality for variant search and PMID text auto-linking, and wrote end-to-end feature tests using Cucumber
- Researched a proof-of-concept platform authentication migration from our standalone Okta service to a larger, company-wide auth service - provided documentation of processes and an analysis of effort and complexity
- Leveraged coding best-practices to identify and revise bugs through Sonarqube, reducing code blockers by 65%
- **Utilized: Java, Angular, TypeScript, Spring, PostgreSQL, Jenkins, AWS, Cucumber, Sonarqube**

Software Engineering Intern

San Diego, California

Omnisync, Inc. (app.omnisync.io)

Oct 2020 - Dec 2020

- Developed a fully fledged "Build your Business" feature on the company's flagship app, TurboSBIR, to facilitate third-party interactions and benefits between customers and local businesses using partnership data
- Refactored 50+ core application files from standard CSS to Tailwind CSS, allowing for increased uniformity, responsiveness, and scalability for future product increments and design modifications across several platforms
- **Utilized: React, JavaScript, GraphQL, Tailwind CSS, Segment API**

Software Engineering Intern

Palm Beach, Florida

Concussions, Pain, and Mental Health Awareness (cpmha.com)

June 2020 - Sept 2020

- Designed, implemented and tested an administrative system/JIRA clone for managing tasks, announcements, and work hours for **all 30+ interns and teams**, accelerating overall communication and organization
- Incorporated Rest API principles and responsive design to deliver an easy-to-use interface for both web and mobile, dynamic data retrieval and updates, and administrative controls (**still actively used as of 04/2021**)
- **Utilized: React, React-Bootstrap, JavaScript, Node.js, Express, MongoDB**

Tutor/Teaching Assistant

La Jolla, California

UC San Diego, Department of Computer Science and Engineering (cse.ucsd.edu)

Sept 2019 - Dec 2019

- Attended lectures and assisted students with questions as professor taught, as well as grading homework/exams
- Held lab hours and review sessions to help students with assignments and tests, both online and in-person

Projects

Portfolio: neiltengbumroong.com

Fortnite Plus (Game Analytics and Stat Tracker)

fortnite-plus.herokuapp.com

- An app designed to visualize all things *Fortnite*, including global player statistics lookup, current and upcoming item shop displays, battle pass/season information, etc. - visited by **100+ unique users** with **daily page views**
- Integrated API routes to fetch and display *Fortnite* API data from server and client, with automatic daily updates
- **Utilized: React, JavaScript, Node.js, Express, Reach Router, Heroku**

Triton Exchange (Student-Oriented Ebay Clone)

triton-exchange.netlify.app

- A web app designed to facilitate safe meetups and transactions of goods and services among UCSD students
- Features comments and favorites, item filtering by tags and searches, two-factor authentication, user reporting
- **Utilized: React, JavaScript, Node.js, TypeScript, Firebase, DynamoDB, Netlify**