

Tyler Reinecke

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Education

University of California, Berkeley

GPA: 3.59 / 4.00

Bachelor's, Computer Science

Aug 2018 – May 2022

- **Organizations:** Neurotech@Berkeley, Mobile Developers of Berkeley, Cal Boxing, Chi Psi Fraternity
- **Coursework:** Artificial Intelligence, Efficient Algorithms and Intractable Problems, Computer Security, OS and Systems Programming, Computational Models of Cognition, Linear Algebra, Data Science Techniques, Data Structures and Algorithms, Cognitive Neuroscience, Structure and Interpretation of Computer Programs, Information Devices/Systems Design, Discrete Mathematics and Probability Theory, Computer Architecture

Del Norte High School

ACT: 35, GPA: 4.00 / 4.00

- Honor Roll: 2014-2018, AP Scholar with Distinction

Aug 2014 – Jun 2018

Professional Experience

Neurable via Neurotech@Berkeley

Remote

Contract Software Engineer

Sep 2021 – Present

- Building a classifier of head movements based on gyroscopic data from Neurable's headset

Marqeta

Oakland, CA

Backend Software Engineering Intern

Jun 2020 – Aug 2020

- Migrated REST API to Spring Boot framework and added gRPC support
- Improved database stability by creating new database schema with Liquibase support
- Built a Slack bot to notify engineering team of build status when using internal CI/CD pipelines

Urgent.ly Roadside Assistance

San Diego, CA

Customer Service Representative

Jun 2018 – Aug 2018

- Assisted and communicated with customers, dispatchers, insurance agencies, and partners to provide roadside assistance. Serviced 50+ customers per day

UCSD Radiology Imaging Lab

San Diego, CA

Database Developer Intern

Jun 2017 – Aug 2017

- Constructed clinical research database containing patient information and medical records
- Assisted with Magnetoencephalography (MEG) treatment and patient data collection

DJO Global

San Diego, CA

Embedded Systems Programming Intern

May 2016 – Aug 2016

- Programmed microcontroller that automated production tests for "Vectra Neo" electrostimulation device
- Delivered formal presentations to president and other senior staff upon completion of project

Projects

ColorBlock

- Machine learning tool analyze and display dominant colors of images from the user's Instagram feed

Muse-Focus

- React app that measures, classifies, and displays brainwaves in real-time via Muse EEG headset

Book.it

- Mobile application MVP that displays real-time student capacities at UC Berkeley libraries

Accomplishments

- US Provisional Patent: 'Lacrosse Air Resistance Training Device', Inventor: Tyler Reinecke
- Certified Associate, Java SE 8 Programmer
- Completion of LinkedIn Product Management First Steps Course
- Finalist: 2017 San Diego Public Civic Challenge, Prototyped public parking app
- President of Boys Team Charity 2014-2018
- Del Norte High School Lacrosse: Varsity 9th-12th, CIF Champions 2017, Captain, MVP 2018

Skills and Interests

Software & Computer Skills: Java, Python, C, Golang, Swift, MySQL, Scheme, Pandas, Seaborn, Jupyter Notebook, REST, gRPC, JIRA, Postman, Agile

Interests: Surfing, Weightlifting, Lacrosse, Snowboarding, Travel