

PAETIN NELSON

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Education

The University of Redlands

Sep. 2018 – April 2022

Bachelor of Science in Computer Science, Minor in Mathematics

Redlands, CA

Relevant Coursework

- Data Structures and OOP
- Theory of Algorithms
- Web Development
- Mobile Programming
- Game Programming and AI
- Software Engineering
- Discrete Mathematics
- Differential Equations

Experience

NextFan.com

August 2022 – Present

Software Engineer Intern

Los Angeles, CA (Remote)

- Developed type safe services to automatically update business analytic pages using TypeScript observable subscriptions in Angular to increase efficiency of admin users.
- Explored Customer Support best practices and integrated third party software including ZenDesk and Zoom SDK into NextFan code base.
- Created HTML email templates for customer receipts, newsletters, and notifications. Utilized MailGun to send HTML emails using Node.js REST API.
- Collaborated with team members using version control systems such as Git and GitLab to organize and assign tasks.
- Employed software engineering methodologies such as SCRUM and agile throughout development.

The University of Redlands

January 2020 – April 2022

Teaching Assistant

Redlands, CA

- Grading Assistant and Student Tutor for the Director of the Computer Science and Mathematics Department
- Tutored university students in Data Structures and Algorithms courses in Java and Web Development course in HTML, CSS, JavaScript, PHP and SQL.

Projects

Redlands Business Reviews App | *Java, Android Studio, Git, GitKraken*

Apr 2021 – May 2021

- Developed an Android mobile application to help the Redlands community find local businesses that satisfy their customer needs.
- Lead the development with four other developers utilizing Scrum and Agile Methodologies.

Bluetooth RC Car | *Arduino C++*

April 2019 – May 2019

- Constructed Bluetooth RC car using a breadboard and an Arduino Uno Microcontroller.
- Utilized the Arduino Software IDE to program the car allowing for multi-directional movements and to utilize the proximity sensors on the front of the car.
- Utilized IOS mobile application to enable user to control the car via Bluetooth connection.

Technical Skills

Languages: Java, TypeScript, Python (NumPy, Matplotlib), HTML/CSS, JavaScript, SQL

Developer Tools: Git, Eclipse, Visual Studio Code, Atom, Android Studio, Google Firebase, IntelliJ

Technologies/Frameworks: React.js, Angular, Bootstrap, Node.js, GitHub, Java WindowBuilder, WordPress, Material UI, Tailwind

Leadership / Extracurricular

Men's Soccer

Fall 2018 – Spring 2022

NCAA DIII

University of Redlands

- 2021 Southern California Intercollegiate Athletic Conference (SCIAC) Champions.
- 2021 NCAA DIII Region X Champions.
- 2021 NCAA DIII National Tournament Sweet 16.
- 4 year varsity athlete.