

# PAETIN NELSON

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## Education

### The University of Redlands

September 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)*

- Collaborated with a 5-person team to implement an Admin portal to create business and transnational analytic features to increase efficiency of the admin team.
- Developed and implemented user authentication/authorization for iOS and Android devices using Flutter and both NoSQL and SQL databases.
- Developed and implemented push notifications for iOS and Android devices using Flutter and Firebase.
- Explored Customer Support best practices and integrated third party software including ZenDesk cutting customer support time by 50%.
- Created HTML email templates for customer receipts, newsletters, and notifications. Customized 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*

April 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.
- Used 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, JavaScript, TypeScript, Dart, HTML/CSS, SQL, Python (NumPy, Matplotlib)

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

**Technologies/Frameworks:** React.js, Angular, Flutter, PostgreSQL, Bootstrap, Node.js, GitHub, Java WindowBuilder, WordPress, Material UI, Tailwind, Postman, Google Firebase, Nest.js

## Leadership / Extracurricular

### Men's Soccer

August 2018 – March 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 varisty athlete.