Nolan Roth

Phone: (408) 489-0463
Email: nolanrroth12@gmail.com

Github: https://github.com/n-roth12
LinkedIn: www.linkedin.com/in/nolan-roth

Skills and Tools

Programming Languages: Python (Preferred), JavaScript
Back-End: Flask, SQL, PostgreSQL, Redis, Express, Node, MongoDB, JSON
Front-End: React, Bootstrap, HTML, CSS
Developer Tools: Git, Postman, AWS, Docker
Soft Skills: Communication, Technical Writing, Debugging and Troubleshooting, Organization, Adaptability

Personal Projects

Fantasy Football Draft Assistant
Website: https://ffbproject.herokuapp.com | Github: https://github.com/n-roth12/FFB-Draft-App
- Developed a web application using Python and Flask that assists users in organizing fantasy football draft strategies
- Utilized Flask-SQLAlchemy ORM to store custom user rankings in PostgreSQL relational database
- Designed interactive front-end for rankings customizer and draft tool using JavaScript and Bootstrap
- Deployed application to Heroku, which updates expert draft rankings periodically

NFL Stats API
Website: https://ffbapi.herokuapp.com | Github: https://github.com/n-roth12/Football-REST-API
- Built a PostgreSQL relational database of NFL player statistics by using Selenium WebDriver to perform multithreaded parsing of HTML elements across several pages of a website
- Constructed RESTful API with endpoints for fetching player data by implementing Flask-Marshmallow schemas
- Integrated HTTP Basic authentication and JSON Web Tokens to verify API users
- Performed testing and debugging of endpoints using Postman

Education

University of Washington, Seattle WA   6/2021
Bachelor of Science in Physics: Applied Physics
Minor in Applied Mathematics
Minor in Mathematics
- Course Highlights: Computer Programming I and II, Web Programming, Advanced Linear Algebra Tools and Applications, Application of Computers to Physical Measurement, Continuous Mathematical Modeling

Experience

Backend Engineering Intern, Relaymile Inc, Remote   1/2022 - current
- Developed and improved backend Restful APIs with Flask and PostgreSQL
- Led development of a document storage and sharing feature for our clients using AWS S3
- Responsible for deploying codebase to development and production server instances hosted with AWS EC2, as well as troubleshooting server issues
- Worked closely with management in order to implement business logic as code
- Assisted frontend team by creating or modifying React frontend components

Recruitment Chair, Delta Upsilon Fraternity, Seattle, WA   6/2017 - 9/2017
- Organized recruiting events and house tours for potential new members, leading to a 25% increase in membership
- Distributed responsibilities for current members while working with treasurer to manage recruitment budget
- Maintained and updated a large database of information about potential new members in order to improve efficiency of recruiting