Garison Julius

Seattle, WA | US Citizen | (971)-470-6958 | garisonjulius@gmail.com | Linkedin | Github

EDUCATION

University of Washington - Seattle

Bachelor of Science in Computer Science, Minor in Data Science — Dean's List   *Expected Dec 2025*

Coursework (By March 2025)

Data Structures and Parallelism, Algorithms, Machine Learning (ML), Artificial Intelligence (AI), Deep Learning (DL), Database Design, Software Design and Implementation, Operating Systems (OS), Hardware/Software Interface, Foundations of Computing 1/2, Linear Algebra

Certifications

Machine Learning Specialization (3 Courses) - Stanford University

EXPERIENCE

Full Stack Engineering Intern   Jun 2024 – Aug 2024

Publicis Sapient   *Chicago, IL*

- Designed the back-end and tested a chatbot feature using Python, JavaScript, Flask, and the Azure OpenAI API, enhancing user interaction and support within the United Health Group mobile application
- Implemented a personalized health plan recommendation system and a dashboard with tailored health tips using JavaScript, SQL, React Native, and Flask, based on user activity data over the past year
- Led a cross-functional team of 8 interns in developing a global weather web application, utilizing Figma for design, JavaScript and React for the front-end, and deployed on AWS Amplify for scalable cloud hosting

Co-Founder   Dec 2023 – Jun 2024

Roomies   *Seattle, WA*

- Spearheaded efforts to secure the 1517 Medici grant, obtaining $11,000 in startup funding, and led Roomies into a prestigious student start-up incubator
- Directed the development of the Roomies app using JavaScript and React Native, overseeing the creation of an intuitive UI/UX for 15+ screens, ensuring a seamless user experience on both iOS and Android platforms
- Led the design and prototyping efforts of Roomies in Figma, integrating insights from market research conducted with over 100 individuals and on-boarded 60+ beta users

Software Engineering Intern   Jun 2023 – Sept 2023

Jireh Semiconductor   *Portland, OR*

- Achieved monthly cost savings of $20,000 for the FAB lab by developing an automation system using Java and Apache POI, streamlining the safety equipment check-in/check-out process
- Directed efforts to identify lost and damaged equipment over the past 12 months, optimizing the inventory management system and improving the efficiency of company funds and human resources

PROJECTS

Stock Market Prediction Model | *Python, Pandas, Scikit-learn, Numpy*   Jun 2024 - Jul 2024

- Built a model using RandomForestClassifier to predict S&P 500 index movements, automating data collection and back-testing to reduce manual analysis time and enhance performance evaluation

Zacks Scraper | *Python, Selenium, Beautiful Soup, Google API*   Jan 2023 – Mar 2023

- Achieved a 93% reduction in data collection time from 2 minutes to 8 seconds per stock, saving 25 hours per week of manual work and enabling focus on higher-value tasks like data analysis

PDX Concierge Mobile Application | *Swift, Xcode*   Mar 2021 - May 2021

- Developed a mobile app during peak COVID to connect elderly and immunocompromised individuals to our free grocery delivery services, achieving 50% community expansion, 100% team growth, and extending services to 7 cities across Oregon and Washington

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL, HTML, CSS
Frameworks: PyTorch, TensorFlow, Scikit-learn, React, React Native, Flask, Expo Go, Express.js
Libraries: NumPy, Pandas, Beautiful Soup, Selenium, Matplotlib, JDBC, Leaflet, Apache POI
Developer Tools: Git Version Control, Node.js, Linux, Google Colab, Jira, Confluence, Figma