Dominic Orsi

GitHub-DominicOrsi | LinkedIn-DominicOrsi | Dominicorsi.com

Education

GONZAGA UNIVERSITY | AUGUST 2020 – MAY 2024

- Bachelor of Science in Computer Science
- Concentration: Software Security, Software Development

Technical Proficiencies

- **Programming:** Python, C++, SQL, Bash, HTML, CSS, JavaScript
- **Tools:** VSCode, macOS, Linux, Git, Docker, AWS, GCP, WireShark, Jira
- **Networking:** Fiber Optic, TCP/IP Suite, OSI Model

Experience

ASSISTANT SYSTEM ADMINISTRATOR | GONZAGA UNIVERSITY | DECEMBER 2021 – MAY 2024

- Supported 500+ students and faculty with software and hardware in day-to-day operations and labs
- Constructed and deployed a custom Linux image that serves over 100 students in two classrooms
- Efficiently configured software and operating systems with automation
- Maintained and upgraded software and operating systems to ensure optimal performance and security

FIBER OPTIC TECHNICIAN | ROCK ISLAND COMMUNICATIONS | MAY 2023 – AUGUST 2023

- Installed outside plant and in-home fiber-optic service to connect customers
- Spliced and patched customers' fiber optic so they were on the network
- Troubleshooted connections and interacted with customers' on-site

Projects

BOEING AI FILTER | SEPTEMBER 2023 – MAY 2024

- Coordinated with the sponsor, advisor, and team members, following Agile methodology, to schedule meetings and deliverables
- Utilized AWS EC2 instances proficiently to efficiently train machine learning models within specified timeframes
- Developed proprietary AI leveraging NLTK libraries and Hugging Face model for advanced language processing capabilities, ensuring the protection of intellectual property
- Developed CI/CD pipeline to enable automatic testing of AI and components to ensure delivery of project goals
- Developed a Flask API to load Hugging Face Models on a separate thread and interface with front end

DOMINICORSI.COM | DECEMBER 2023 – JANURARY 2024 | PORTFOLIO-PAGE

- Conceptualized and developed a responsive portfolio webpage from scratch
- Implemented a mobile-first layout ensuring optimal performance and user experience across all devices
- Leveraged React.js, Typescript, and Tailwind CSS to create a dynamic page
- Automated deployment of new website versions to Firebase using GitHub Actions for continuous integration and delivery

FORMULA ONE STATISTICS MOBILE APP | OCTOBER 2022 – DECEMBER 2022 | F1-STATS-APP

- Designed and developed the application using the Model-View-Controller architectural pattern
- Deployed a Supabase PostgreSQL database for efficient and scalable data storage
- Utilized Supabase's Kotlin API library to seamlessly connect the application to the database, enabling real-time data retrieval
- Implemented asynchronous states to enhance user experience and optimize application performance

Leadership

THETA CHI KAPPA ALPHA CHAPTER VICE PRESIDENT | NOVEMBER 2022 – NOVEMBER 2023

- Led and managed five committees to ensure duties and goals were achieved on time
- Coordinated weekly chapter meetings with 30+ members to foster a strong sense of community and collaboration

Extracurricular

- Spokane Cyber Cup 2023 and 2024
- Gonzaga Hackathon 2021 and 2023