Krystal Pothilat

San Diego, CA • krystalpothilat@gmail.com • krystalpothilat.github.io • 858-603-3376

EDUCATION

University of California, Riverside **Riverside, CA**
Bachelor of Science in Computer Science **2020-2024**
COURSES: Data Structures, Algorithms, Embedded Systems, Compiler Design, Operating Systems, Artificial Intelligence

EXPERIENCE

General Atomics Aeronautical Systems, Inc. **San Diego, CA**
Software Engineer Intern **June 2023 - August 2023**

- Expanded payload configuration by an additional 20% through the implementation of 2 functioning payload features on the Portable Pre-flight and Post-flight Equipment (P3E) using C++, JavaScript, and XML
- Developed the messaging process that spans multiple embedded systems, providing functionality for 2 payload features on the P3E
- Updated the user interface of the AV Config page using JavaScript and XML to include 2 new selection options for payload configuration per the customer's needs

Software Engineer Intern **June 2022 - August 2022**

- Enhanced the user interface of 10+ visual components on the Heads-Up Display (HUD) using JavaScript and XML for the Certified Ground Control System (CGCS) for remotely piloted aircraft
- Expanded informational components on the Payloads Page on the P3E to allow easy ID visibility, increasing work efficiency by 2%
- Equipped Linux and C++ to test code changes, ensure proper enhancement of visuals and overall functionality

PROJECTS

Notion Custom Bingo Widget **Riverside, CA**
Personal Project **January 2024 - Present**

- Developing an innovative online platform using ReactJS to enable users to create personalized and customizable Bingo card widgets that can be seamlessly deployed as an embeddable link with the platform Notion
- Currently designing and implementing a robust backend infrastructure using Express.js and Node.js
- Currently integrating MongoDB as the database solution to provide secure and scalable storage for user-chosen widget configurations

FastFoodDealsNearMe **Riverside, CA**
Personal Project **December 2023 - Present**

- FastFoodDealsNearMe is a web application that aggregates and displays fast food deals within a mileage radius based on user location
- Utilized HTML, CSS, and JavaScript to create a user-friendly and responsive interface for seamless navigation and interaction
- Integrated HTTP requests with the Smarty US Address Autocomplete API to streamline location input
- Currently implementing Maps API to provide a visual representation of fast food locations

SpotiMerge **Riverside, CA**
University of California, Riverside **January 2022 - March 2022**

- Designed and developed a playlist merging application using C++ and QT library
- Utilized the QT-Creator IDE to create an intuitive user interface, showcasing expertise in GUI development
- Demonstrated effective collaboration by participating in Scrum meetings and using GitHub for version control

EXTRACURRICULARS

Women in Computing at UCR (WɪɴC) **Riverside, CA**
President **March 2022 - March 2023**

- Led the largest computer science student organization on campus empowering women in tech
- Achieved expansion of member turn-out at in-person events by 150% through successful marketing and community cultivation
- Increased organization funds by 50% during the 5th annual BCOE Match Challenge
- Showcased exceptional leadership by overseeing and supporting 6 officers and 10 in-person events per quarter

SKILLS

LANGUAGES: C++, XML, JavaScript, Python
TECHNOLOGIES: Git, TortoiseSVN (Subversion), DevTrack, IBM DOORS
FRAMEWORKS: ReactJS