PATRICK SALMAS

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PROFESSIONAL SUMMARY

Motivated and dedicated Computer Scientist with strong teamwork skills and adept problem-solving capabilities. Expertise in web design and artificial intelligence.

WORK EXPERIENCE and UNIVERSITY SPECIAL PROJECTS

Software Engineer, Personal Website, PatrickSalmas.com, Richmond, Virginia, 2020.

- Website that displays information about me, current resume, and all past and current projects.
- Developed with HTML, JavaScript, and CSS using a responsive design.

Software Developer, JavaScript Web Component Library, University of California, San Diego, California, 2019.

- Worked in a team of eight to produce a JavaScript web component library.
- Web components consisted of button, message box, slider, tooltip, feed, and card.
- Contributed to development of web components and helped established software development pipeline.

Software Engineering Intern, Three Wire Systems, San Diego, California, 2018-2019.

- Worked in a professional software development team to build a website for US Airforce Veterans.
- Used ASP.NET to build an MVC operated website using HTML, JavaScript, C#, and SQL.
- Handled both front-end and back-end responsibilities in an Agile environment.

Software Developer, CRUD Web Application, University of California, San Diego, California, 2019.

- Firebase-hosted web application that simulates a Christmas wish list.
- Allows the user to create and login to an account, and allows the user to create, read, update, and delete items.

Software Developer, Analytic REST Web Application, University of California, San Diego, California, 2019.

- Worked in a team of three to build a basic REST web application that tracks various data point such as, the user's browser, loading speeds, and reported errors.
- Handled all backend responsibilities, CRUD actions, and graphs for data analysis.
- Developed with HTML, PHP, JavaScript, CSS, and MongoDB.

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Software Engineer, AI Stock Trading Simulator, University of California, San Diego, California, 2019.

- Web-scraped data from Google Trends, CNN Stocks, and various social media sources.
- Written in Python and used linear regression techniques to make predictions about rising and falling stocks.

Software Engineer and Researcher, Reddit Rating Predictions – Recommender Systems, University of California, San Diego, California, 2018.

- Worked in a team of three to create a Python application which predicts what kind of ratings a Reddit post will receive based on factors such as title, content, subreddit, and the user.
- Documented methods and findings in a research paper.

Software Engineer, AI Game Montage Generator, University of California, San Diego, California, 2018.

- Scanned through user gameplay and compiled highlights into an mp4 file via a form of "Boosting" algorithm.
- Developed in Python and utilized OpenCV for computer vision tasks.
- Supported Call of Duty: WWII and scans at an average of 300 frames per second.

Software Engineer, Flashback Music Player – Android Phone Application, University of California, San Diego, California, 2018.

- A music player that allows users to have "Flashbacks" based on previous, similar situations (location, date, time).
- Handled all backend tasks and developed all location/time features.
- Created algorithm and functionality for detecting "Flashback" moments.

SKILLS

Languages & Libraries: HTML, JavaScript, CSS, Java, C#, C++, C, Python, PHP, SQL, jQuery, OpenCV.

Frameworks & Technologies: React, ASP.Net, Node.js, MongoDB, DynamoDB, Firebase, MySQL, SQL Server, Amazon S3, Amazon Lambda, API Gateway.

EDUCATION

B.S., Computer Science and Engineering, Jacobs School of Engineering, University of California, San Diego, California, December 2019.

UNIVERSITY ATHLETIC ACTIVITIES

Treasurer, UCSD Ice Hockey Club, San Diego, California, 2019.

President and Captain, UCSD Ice Hockey Club, San Diego, California, 2016-2018.

HONORS AND AWARDS

Engineering Ring, Jacobs School of Engineering, University of California, San Diego, California, 2019.

PCHA Champions, UCSD Ice Hockey Club, San Diego, California, 2014.