Thomas Daniel Roche

Software Engineer

Ashburn, Virginia

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Objective

Currently working towards post-graduate opportunities allowing me to utilize my qualifications in the fields of computer software and engineering.

Skills

Experience with: Android SDK, Amazon Web Services, Apache Subversion, Bitbucket/Jira, C/C++, CSS/HTML, Git, Java/JavaFX, JavaScript, Linux/Unix, Python, and RESTful API.

Certifications

Certifications include: Amazon Web Services Cloud Practitioner (2019).

Projects

Project work done in Java as part of college coursework includes: front-end development of 3D maze application focusing on implementing algorithms into pre-existing user interfaces; implementation of a graphical user interface with tools that automate the detection of inconsistencies between the design and implementation of mobile applications.

Experience

Software Engineer, Probity Inc.   **October 2018 – Present**

Developed desktop applications and solutions utilizing human language technology. Worked throughout various stages of the software development process as part of a team focusing on front-end software tools for client projects. Experience with: AWS, Bitbucket, Jira, JavaScript.

Software Engineer Intern, Apcerto Inc.   **January 2018 – June 2018**

Applied knowledge of various platforms for developing software solutions for both internal and external projects. Customized commercial software packages for risk-rating of mobile applications through the use of Restful APIs via integration with enterprise mobility management software such as AirWatch and Postman.

Research Assistant, Monroe Scholar Research Program   **May 2017 – August 2017**

Filmed, edited, and produced an independent full-length documentary on local communities and eSports as part of the James Monroe Summer Research Project with the College of William & Mary. Technical experience with Canon EOS DSLR cameras, video camcorders, and sound equipment. Also gained experience with Adobe Suite and Adobe Premiere Pro video, audio, and image editing software.

Technical Intern, Lexis-Nexis, SSI   **May 2016 – August 2016**

Assisted with the set up and installation of DSP (Data Science Portal) software and ICEWS annotations for parsing and identifying semantics from text. Experience coding with ECL (Enterprise Control Language) on HPCC (High-Performance Computing Cluster) and other data processing query applications.

Technical Intern, Hewlett Packard Enterprise   **May 2015 – August 2015**

Assisted with the automated set up and prototyping of remote servers using HP tools for AWS and Docker. Experience with Hadoop Distributed File System and Linux/Unix.

Education

College of William & Mary   **August 2014 – May 2018**

B.S. in Computer Science and Film and Media Studies. Honors include: Dean's List, James Monroe Scholar, Magna Cum Laude (3.65 GPA).

- References Available Upon Request -