PIERS KIRK
Security Clearance

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PROFESSIONAL EXPERIENCE

Quality Systems Management, Inc.   **Annandale, VA**
Software Engineer 1   *October 2021 – Present*

- Collaborate with 3 developers and 2 team members to support QSMI's Budget and Contracts software systems.
- Develop and maintain the Resource Management System for multiple clients following an Agile Scrum methodology.
  - The backend is written using Java 8 with Spring Boot. Common backend tasks include handling validation and CRUD operations. We use JDBC to interface between the backend and the database. We use Microsoft SQL Server Management Studio 18 as our RDBMS.
  - The frontend is written using Angular v15. Common tasks include creating and populating user forms. Forms are created using Angular Reactive Forms. We use the HTTPClientModule to retrieve data from the backend in the form of RxJS observables.
  - All tickets are managed through Jira and we use Sourcetree for Version Control.
- Notable contributions include:
  - Refactor the application to prevent the accumulation of technical debt and eliminate deprecated code.
  - Create and update reports to automate laborious aspects of the client's workflow and meet changing requirements.
- Act as the direct contact for software vulnerability alerts. Duties include ensuring that the team's tech stack is up to date and performing local server maintenance in collaboration with QSMI's IT Director.
- Assist with client demonstrations and meetings.

TECHNICAL SKILLS

- Languages: HTML, CSS, JavaScript, Python, Java, C/C++, R
- Databases: SQL, Microsoft SQL Server
- Frameworks and Libraries: Angular, Spring Boot, Selenium, Apache POI
- Version Control and DevOps: Docker, Jenkins, Git, JIRA
- Tools and Technologies: Apache HTTP Server, Apache Tomcat
- Build Automation: Maven

EDUCATION

University of Virginia   **Charlottesville, VA**
B.A. in Computer Science, B.A. in Psychology   *August 2017 – July 2021*
GPA: 3.92 / 4 – UVA Club of Washington Scholarship Recipient
Study Abroad: Valencia, Spain

British International School of Washington   **Washington, D.C.**
International Baccalaureate | 40 Points, 97th Percentile   *August 2014 – December 2016*

RESEARCH EXPERIENCE

University of Virginia, Department of Psychology, Nesselroade Laboratory   **Charlottesville, VA**
Research Assistant   *August 2020 – August 2021*

- Researched and wrote articles for a social science statistics wiki in collaboration with doctoral psychometric students; designed graphics for articles using R's Shiny package.

WORK & VOLUNTARY EXPERIENCE

- Soccer Coach at DC Youth Futbol Club (2015 – 2021)
- Assistant Soccer Coach at DC Scores (2017)