Michael-Andrew Keays

Software Quality Engineer

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— Summary

Passionate technologist, enthusiastic learner, strong communicator, and experienced leader. Excited to take on new opportunities and challanges. I have spent time building skills across several different software industries since I was young. I am at my best when trailblazing, and enjoy working as both a self-starter, a team member, and also as a mentor. While I focus myself as a developer, I love working with all parts of the software cycle: From management, to quality, to marketing, development, and all parts in between.

— Experience

August 2019 — Present

MicroStrategy, *Quality Engineer*
- Architecting and executing performance tests focused on multiple core server components
- Designing and executing automated stability, security, and functionality tests
- Developing and maintaining security automation for inter-component RESTful communications
- Maintaining existing testing infrastructure in company-wide CI/CD pipelines

June 2018 — May 2019

George Mason University, *Undergraduate Research*
- Research in Autonomous Vehicle Integration and Design, as well as modern vehicle safety
- Designed and developed Open Dataset Labeling Software
- Research and education in modern data mining techniques for vehicle classification

April 2016 — Sept. 2018

STEM ExCEL, *After-school STEM Teacher*
- Teaching children in grades K-5 skills in computer game design, and programming, and electrical engineering skills

— Education

2015 — 2019

BSc. Computer Science & Linguistics Minor, *George Mason University*

Classes in: Data Mining, Security Engineering, Artificial Intelligence, Engineering Statistics, Operating Systems Design, Object Oriented Programming, Low Level Languages, Data Structures, Team Oriented Software Engineering, Formal Models and Methods, Calculus, Linear Algebra, Digital Electronics, Technical Composition, Syntax, and Semantics

3.86 GPA

Languages English (native), Russian (intermediate), Spanish (intermediate)

Skills

Industry Knowledge	Web design and development, microservices, artificial intelligence, data mining, server administration, network security, REST architecture.
Tools & Technologies	x86 & ARM Assembly, C, C++, Python, Javascript, Ruby, MySQL, MongoDB, React, Gatsby, JQuery, Amazon Web Services, Google Cloud Platform, Git, Unity, LaTeX

Key Achievements

2020 **Certified Cloud Practitioner**, *Amazon Web Services*
- Familiar with key cloud architecture components and concepts
- Understanding of cloud security and cloud billing concepts
- Knowledge on on-prem and cloud pros and cons, as well as techniques for cloud migration

2018 **PatriotHacks Founder and Organizer**, *George Mason University*

2019 George Mason University's first collegent hackathon, sponsored by Major League Hacking in our first year. Served in a multiplicity of roles throughout my two years, including: web developer, brand manager, graphic designer, event planner, leadership mentor, and hacker mentor during our events.

2015 **Eagle Scout**, *Boy Scouts of America*
- Foundational leadership, communication and survival skills
- Managed large scale project to improve American Legion Post #130