

Adrian Bolt

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Summary of Qualifications

- Self-driven person who enjoys working in groups and working in organizations that promote professional and personal growth
- Always looks for ways to improve code quality, simplicity, and speed
- Avid learner. Thoroughly enjoys improving current skills, learning new skills, and taking on challenges

Skills

- Proficiency in Java, Kotlin, Python, JavaScript, C, among others
- Very strong math and problem-solving abilities
- AWS Certified Cloud Practitioner

Highlighted Personal Development

- Read *Effective Java* and utilized learnings in my work
- Spent two months on my own learning quantum computing which resulted in being selected for my current role
- Mentored new employees at State Farm and undergraduate students at HackUTD as a representative of State Farm

Experience

Software Engineer / Quantum Researcher at State Farm – Quantum Computing team

Oct 2021 – Present

- Foundational member of a team dedicated to finding quantum computing use cases for State Farm
- Learned many quantum computing concepts and theory (much of it from the book colloquially called “Mike and Ike”)
- Learned machine learning relevant to the quantum computing field including neural networks and support vector machines
- Guided team composition and strategic direction of the team as one of the foundational members

Software Engineer at State Farm – DevOps Enablement team

Feb 2020 – Oct 2021

- Advanced telemetry by exporting data from an agile tool into InfluxDB2, consumed by Grafana, covering DevOps metrics, used by company executives
- Advanced several internal, non-team owned projects by updating and improving them
- Learned and utilized Docker, Kubernetes, and Helm to deploy telemetry related resources
- Used antlr4 to create a grammar and parser in order to fix bugs in one of our internal applications
- Helped manage an application with a tech stack of Angular, Node.js, Spring Boot Java and a PostgreSQL database

Virtual Quiz

Fall 2016 – Present

- Created a web application as a fundraiser for Quizbowl Club at Iowa State. The application allows local area high schools to compete in a virtual tournament. Replaced the previous application that used Visual Basic
- Built using Typescript, Angular, Node.js, Express, and MongoDB running on Heroku
- Participation tripled as a result of switching to the web application format

Education

University of Texas at Dallas

Richardson, TX

- M.S. Computer Science

August 2023 – Present

Iowa State University

Ames, IA

- B.S. Computer Science, B.S. Mathematics

May 2019

- Minor in Russian Studies

Magna Cum Laude

Publications

- Credited co-author of “Apollonian Ring Packings” published in the book *Connections in Discrete Mathematics*

Miscellaneous Fun Facts

- Studied abroad in St. Petersburg, Russia over the summer after freshman year of college. Succumbed to “palace fatigue,” a condition that arises once one has toured one’s 10th palace and is no longer impressed by the crystal chandeliers
- Has never successfully stayed awake throughout an entire hackathon. Inevitably ends up blathering on about the Collatz conjecture or something like that
- Intermediate knowledge of Russian: *но, нужно больше учиться*
- Language nerd. Computer and human both