

# Adrian Bolt

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## Summary of Qualifications

- Completed projects in several languages that were applied and used in real-world applications open to the public
- Self-driven person who enjoys working in groups and working in organizations that promote professional and personal growth
- Always looking for ways to streamline and simplify processes
- Avid learner. Thoroughly enjoys improving current skills, learning new skills, and taking on challenges

## Skills

- High Proficiency in C and Java
- Very strong math and problem-solving abilities, especially coding related
- Intermediate knowledge of Russian
- AWS Certified Cloud Practitioner

## Personal Development

- Reading *Effective Java* and utilizing learnings in my work
- Learned some of Quantum Computing by reading part of *Quantum Computation and Quantum Information*, and asking questions on the Quantum Computing Stack Exchange
- Listening to IEEE Software Engineering Radio

## Education

Iowa State University

Ames, IA

- Bachelor of Science in Computer Science
- Bachelor of Science in Mathematics
- Minor in Russian

May 2019

GPA: 3.75

Magna Cum Laude

## Experience

Software Developer at State Farm

February

- Part of a departmental DevOps Enablement team
- Advanced telemetry by exporting data from an agile tool into InfluxDB which was consumed by Grafana, covering things like lead time, to be consumed by company leadership
- Advanced several internal, non-team owned projects by updating and improving them
- Learned and utilized Docker, Kubernetes, and Helm to deploy telemetry related resources

2020 –

Present

Virtual Quiz

Fall 2016

- Created a web application as a fundraiser for Quizbowl Club at Iowa State. The application allowed local area high schools to compete in a virtual tournament. Replaced the previous application that used distributed 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

– Present

Foodstuff and Food Stuffs

Spring

- Utilizes Java backend with Hibernate and the Spring framework, an Angular frontend, and a SQL database
- Worked primarily on the frontend, but acquired a deep understanding of the backend to help fix bugs and solve problems for the other students
- Created in tandem with 3 other students

2018

Math Research Experience for Undergraduates (REU) at University of Washington

Summer

- A paid position funded by the National Science Foundation
- Created a program in Mathematica to facilitate the production of medial graphs
- Made significant timing improvements to a program in MATLAB that calculated a numeric solution to the electrical inverse problem being researched

2017

Study Abroad: St. Petersburg, Russia	Summer 2016
<ul style="list-style-type: none"> <li>Adapted successfully to life in a foreign country</li> <li>Embraced cultural differences</li> <li>Learned to communicate with people in a new language</li> </ul>	
Honors Mentor Program, Undergraduate Research	Spring 2016
<ul style="list-style-type: none"> <li>Developed an algorithm to efficiently generate circle packings with a variable number of tangent circles</li> <li>Coded in Sage (Python)</li> <li>Results published in <i>Connections in Discrete Mathematics</i>. Credited in publication</li> </ul>	
<b>Honors and Awards</b>	
<ul style="list-style-type: none"> <li>Iowa State University Honors Program</li> <li>Dean's List</li> <li>Excellence in Russian Studies</li> <li>Phi Beta Kappa Inductee</li> </ul>	Fall 2015 – Spring 2019 Fall 2015 – Spring 2019 Spring 2017 Spring 2018
<b>Involvement and Leadership Roles</b>	
<ul style="list-style-type: none"> <li>Iowa State University Russian Club               <ul style="list-style-type: none"> <li>President</li> </ul> </li> <li>Iowa State University Quiz Bowl Club               <ul style="list-style-type: none"> <li>Virtual Quiz Chair</li> </ul> </li> <li>HackISU Attendee               <ul style="list-style-type: none"> <li>Developed web app Foober, which is like Uber but with food, in JavaScript and Meteor, with no prior JavaScript or JavaScript framework experience</li> </ul> </li> </ul>	Fall 2016 – Spring 2019 Fall 2017 – Fall 2018 Fall 2015 – Spring 2019 Fall 2015 – Fall 2018 Fall 2015 – Fall 2017 Spring 2016