

# ANNA BUYEVICH

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## EDUCATION

**University of Illinois at Urbana-Champaign**

*Aug 2016 - Dec 2019*

*Bachelor of Science Computer Science*

**GPA 3.83/4.0**

**Awards:** Outstanding Course Assistance Spring 2018, Dean List Fall 2018, Fall 2017

## EXPERIENCE

**Apple**, Cupertino, CA

*Mar 2020 - Mar 2022*

Software Engineer - Level 3

- Lead and streamlined efforts on enhancing existing partner simulation service to assist quality engineer efforts by ~6 months in reducing onboarding mistakes
- Collaborated with team by designing new APIs, altering existing data models using Java, Netty equivalent, and Cassandra
- Coordinated project efforts, enforced decoupled system architecture, organized requirements, and delegated work to other senior engineers
- Used SOLID principles to achieve 100% code coverage by writing new unit and integration tests
- Communicated across multiple teams for future user-facing features
- Wired in new platform work specific to transit partners while keeping in line with existing architecture of platform using Java and Python
- Assisted and implemented in ability for users to add their driver's license to their Apple Pay wallet
- Parallelized existing service which increased total partner count
- Improved caching layer of HTTP client using Java and presented improvements for voluntary code cohort
- Mentored new hires regarding Apple Pay ecosystem, tools, testing, and architecture
- Involved in hiring processes of potential software engineers and managers

**Capital One**, Richmond, VA

*Jun 2019 - Aug 2019*

Software Engineer Intern

- Prepared process for migrating an 8TB database to Amazon Aurora from Postgres with increase in reading speeds of 2.4 utilizing a script that generated a new database, migrated, and monitored process of over 22 billion transaction records
- Implemented new automated daily load job of over 15 million records that improved readability and durability using Apache Spark and Amazon Elastic Map Reduce
- Enhanced process that serves around 200 requests a second

**Intelligent Medical Objects**, Northbrook IL

*Jun 2018 - Aug 2018*

Software Engineer Intern

- Created dashboard data entry Web Application used to manage IMO product metadata, included product versions and business rules used Angular 6, SQL, ASP.NET MVC
- Participated as an Agile Scrum developer on Product Release Team to develop new IMO products

**University of Illinois at Urbana-Champaign**

*Jan 2017 - May 2019*

Course Assistant for STAT 107, CS 196, CS 125

- Created over dozen assignments on big data, managed teams, and taught Java to prospering students

## SELECT PROJECTS

*Pokemon Egg Move Calculator*

*Sep 2018 - Apr 2019*

- Advised by Professor Fagen-Ulmschneider to construct modified level based Bread First Search algorithm for finding every possible path from various starting Pokemon to create your chosen Pokemon with specified egg move using JavaScript
- Developed multi-graph consisting of over 900 nodes and more than 45,000 edges

## ORGANIZATION

**Crisis Text Line**

*Mar 2021 - Present*

**Women in Computer Science**, Head of Infrastructure

*May 2019 - Dec 2019*

**Girls Who Code**

*Aug 2018 - Dec 2019*

## SKILLS

**Languages:** Java, Python, C++, C, JavaScript, SQL, C#, Angular, NodeJS

**Services:** AWS, Cassandra, Kafka, Docker, Oracle, Apache Spark, MongoDB