

# KATERINA BOYER

(972) 834 – 8992 • [katerina.a.boyer@gmail.com](mailto:katerina.a.boyer@gmail.com)

## EDUCATION

### Bachelor of Science in Computer Science

Dec. 2020

*Texas A&M University, College Station, TX* Minors in  
Business, Cybersecurity

## EXPERIENCE

### Software Engineering Intern

June – Aug. 2020

*Amberst Holdings, Austin, TX*

- Refactored Node.js APIs to conform to NestJS, TypeScript, and company design principles (dependency injection, single responsibility, DRY)
- Used TypeORM to migrate PostgreSQL data to MS SQL Server
- Implemented test driven development techniques using Jest framework for unit, end-to-end, and integration testing

### Web App Developer

Oct. 2018 – May 2020

*Texas A&M University, College Station, TX*

- Developed Ruby on Rails web applications with MySQL database that adhere to FERPA standards to support the College of Engineering's business unit responsibilities (IT asset and audit, payroll and tuition services, invoice management)
- Coordinated with business Product Owner to identify user needs and translate to software requirements

### Cloud/IoT Solutions Intern

May – Aug. 2018, 2019

*Lennox International, Richardson, TX*

- Developed cross-platform mobile applications using Xamarin.Forms and C#
- Built web app in Microsoft Azure to monitor business accounts for resource cloud changes that result in large billing differences and notify owners
- Trained, tested, and analyzed machine learning algorithms using Python SciPy, NumPy, TensorFlow, and Pandas packages to understand and predict user preferences for application navigation
- Acted as DevOps Admin on three-week sprint for internationally distributed team, using VS Team Services and Team Foundation Server

## LEADERSHIP

### Girls Who Code Facilitator/ Teacher

Dec. 2019 – Cur.

*College Station, TX*

- Work with local library and city government to found Girls Who Code chapter
- Fundraise \$15,000 from local businesses and grants to support program's first year
- Develop unique curriculum to engage students (3<sup>rd</sup> – 12<sup>th</sup> grade) with variety of experience levels, and without computers for the first lessons

### President, Aggie Women in Computer Science

Apr. 2019 – Apr. 2020

*College Station, TX*

- Managed \$20,000 budget and introduced corporate sponsorship program for 2020 – 2021
- Reintroduced student mentorship program after two years, participation up to 70 members from ~15
- Designed unique programming for members (corporate informationals, technical workshops, social activities) that reached 35% of women in the CSE department