

# Katerina Boyer

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## EDUCATION

**Texas A&M University • College Station, TX**  
*Bachelor of Science in Computer Science*  
*Minors in Business and Cybersecurity*

**Aug. 2016 – Dec. 2020**

## WORK EXPERIENCE

**Amherst Holdings • Austin, TX**  
*Software Engineering Intern*

**Jun. 2020 – Aug. 2020**

- Refactored Node.js APIs to conform to NestJS, TypeScript, and company design principles (dependency injection, single responsibility, DRY) for integration into enterprise monorepo
- Implemented test driven development techniques using Jest framework
- Built custom Slack Bot app with NestJS and the Slack Web API for HR team. The bot responds to messages with resource links, popup modal forms, and shares downloadable files. Saved \$28,000 building application in-house vs outsourcing project

**Texas A&M University • College Station, TX**  
*Web App Developer*

**Oct. 2018 – May 2020**

- Maintained Ruby on Rails web applications with MySQL database that supports the College of Engineering's administrative responsibilities: IT asset management, payroll, and tuition

**Lennox International • Richardson, TX**  
*Cloud/ IoT Solutions Intern*

**May – Aug. 2018 & 2019**

- Improved UX for cross-platform mobile application using Xamarin.Forms and C# by providing detailed logging, user friendly error messages, transforming current processes to one action per screen, and adding visual feedback to actions
- Built web app in Microsoft Azure to monitor business accounts for resource cloud changes that effect large billing differences and notifies the resource owner
- Acted as DevOps Admin on three-week sprint for internationally distributed team with TFS

## ACTIVITIES

**Girls Who Code • College Station, TX**  
*Facilitator*

**Dec. 2019 – cur.**

- Coordinate with local library and city government to found the chapter
- Fundraise \$15,000 from local businesses and grants to run the program
- Develop and execute unique, virtually accessible curriculum for 20 students (3<sup>rd</sup> – 12<sup>th</sup> grade) to teach fundamentals of computer science and software engineering

**Aggie Women in Computer Science • College Station, TX**  
*President*

**Apr. 2019 – Apr. 2020**

- Managed \$20,000 budget and introduced corporate sponsorship program to increase annual funding by \$5,000
- Reintroduced student mentorship program after two years. Participation increased to 70 students from 15
- Designed unique programming for members (corporate informationals, technical workshops, social activities, office visits) that reached 35% of women in the Computer Science department