# Shayna Provine

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## EDUCATION

**University of Illinois at Urbana-Champaign** **May 2022**

Bachelor of Science, Computer Science

- Scholarships: The President's Award Program Honors Scholarship, State Farm Computer Science Scholarship, Illinois Engineering Freshman Scholarship, Illinois Engineering Achievement Scholarship
- Courses: Data Structures and Algorithms, Software Design Studio, Discrete Structures, Introduction to Computer Science, Calculus III
- Activities: BUILT BY GIRLS, University of Illinois Chess Team, Philippine Student Association

## WORK EXPERIENCE

**Amazon Web Services** **May 2020 – Present**

Software Development Engineer Intern                                                                                                   Seattle, WA

- Owned the first prototype integration of code coverage tools for the AWS Encryption SDK for .NET.
- Developed and integrated tools to automatically generate code coverage reports as part of build processes. The code coverage system reports coverage numbers to Pull Requests automatically when a PR is cut.

**Amazon** **May 2019 – August 2019**

Amazon Future Engineer SDE Intern                                                                                                       Seattle, WA

- Developed the hardware and software for a Hardware Random Number Generator API based on the entropy produced by avalanche noise.
- Worked with the AWS Crypto Tools Core Libraries Team to contribute features to both the AWS Encryption SDK in Java as well as UX Reviews for new features on the AWS Management Console.

## PROJECTS

**Text Visualizer** **May 2019**

- Developed an application in C++ using OpenFrameworks that generates a visual art piece based on sentiment and structure analysis of an inputted poem.
- Utilized machine learning and Naive Bayes Classification to create and train a model that performs sentiment analysis on a given phrase.

**Shibemon** **December 2018**

- Designed the user interface and gameplay mechanics for a mobile app similar to Pokemon in Java and XML using Android Studio.
- Named most impressive of 200+ projects at CS 125 Fall 2018 Project Fair.

## INVOLVEMENTS

**BUILT BY GIRLS at UIUC** **February 2019 – Present**

Founder and President                                                                                                          Urbana-Champaign, IL

- Founded and led a chapter of the national organization of BUILT BY GIRLS at the University of Illinois.
- Provided resources to help women land jobs in technology through building a campus community, organizing professional, academic, and social events, and partnering with top companies such as Lyft and Goldman Sachs.

## SKILLS & INTERESTS

- **Skills:** Java, C++, C, Python, AWS Services, VSCode, IntelliJ, Xcode, Android Studio, Git
- **Interests:** Meeting new people, chess, Latin poetry