

Shayna Provine

EDUCATION

University of Illinois at Urbana-Champaign

May 2022

Bachelor of Science, Computer Science

4.0/4.0 GPA

- Scholarships: The President's Award Program Honors Scholarship, State Farm Computer Science Scholarship, Illinois Engineering Freshman Scholarship
- Courses: Data Structures and Algorithms, Software Design Studio, Discrete Structures, Introduction to Computer Science, Calculus III
- Activities: Rewriting the Code Fellow, CS 125 Course Assistant, University of Illinois Chess Team, Philippine Student Association

WORK EXPERIENCE

Amazon Web Services

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 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.

Adventure

February 2019

- Programmed a text-based adventure game in C++ that takes in a map description in JSON and allows the player to interact with puzzles and special items as well as explore the map.

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.
- Worked to provide the resources to help women land their first jobs in technology through building a campus community, organizing professional, academic, and social events, and partnering with top companies.

SKILLS & INTERESTS

- **Skills:** Java, C++, C, Python, AWS Services, HTML, CSS, JavaScript, IntelliJ, Xcode, Android Studio, Git
- **Interests:** Meeting new people, chess, Twitch, writing