

Alexandra Miller

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Rensselaer Polytechnic Institute

Expected May 2022

Bachelor of Science in Computer Science, Bachelor of Science in Games and Simulation Arts and Sciences

- Relevant Coursework: Computer Organization, Foundations of Computer Science, Principles of Software, Algorithms, Data Structures, Multivariable Calculus, Linear Algebra, Physics, Economics, Art for Interactive Media, Game Storytelling, Game Worldbuilding

Appalachian State University

GPA 4.0

Bachelor of Science in Computer Science

- Relevant Coursework: Calculus with Analytic Geometry, Computer Science, Discrete Mathematics, Computer Science Principles, Introduction to Statistics, Introduction to Computers

SKILLS/HONORS/AWARDS

Technical Skills: Java, C++, C, MIPS, JavaScript, HTML, CSS, Python

Honors/Awards: Rensselaer Leadership Award (2019, 2020), Chancellors List (2018), NCWIT Aspirations (2018), Computer Science Excellence (2018), National Honor Society (2017), National Technical Honors Society (2017)

PROJECTS

Shuttle Tracker

Troy, N.Y.

Participant for Open Source Project

May 2020 – Present

- Developed an Estimated Time page for the university's bus system with my team with JavaScript.
- Sent requests to the university API to gather information about the bus routes.
- Formatted the page to be visually appealing and to adopt the schedules and iterated through Github.

WORK/ACTIVITIES

Girls Who Code

Troy, N.Y.

CoFounder, Mentor, Teaching Assistant

June 2020 – Present

- Instruct the upcoming Girls Who Code leaders in materials and practices
- Obtain and manage funding to improve the members' experiences
- Foster an environment that serves to establish sisterhood amongst students
- Prepare club meetings and run workshops

ProgramHers

Goleta, C.A.

Teacher Assistant

May 2020 – July 2020

- Taught remote community building and equality courses to international students
- Instructed girls in CSS, HTML, and JavaScript.
- Supported students in building websites through stylistic and functional suggestions

Susan's Sanitary Shop

Goleta, C.A.

Market Analyst & Shop Manager

March 2020 – Present

- Facilitate shop operations by using Excel to keep track of stocks/inventory and potential shortages
- Research Consumer Behavior, Competition, and Suppliers to determine optimal product pricing
- Monitor Customer Satisfaction and Customer Demand Trends to increase Net Promoter Score

Society of Women Engineers

Troy, N.Y.

Outreach Coordinator

August 2019 – Present

- Plan community events to spread awareness about the club
- Mentor other women in their experiences with stem
- Host events to improve other girls' technical skills