

# Aubrey Thompson

Associate Technical Consultant

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## SUMMARY

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- Former mathematician with a Master's in Neural Computation from Carnegie Mellon
- DevSecOps engineer
- 9+ years of programming experience

## WORK EXPERIENCE

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### DevSecOps Engineer

Feb 2024 - Present

Highline Solutions

Sheetz

- Set up configurations for microservices hosted in Openshift (Openshift, Helm)
- Maintain Gitlab code repository of over 1000 projects (Gitlab)
- Create and implement company branching strategies and practices

### Software Developer

Sep 2022 - Feb 2024

Highline Solutions

Sheetz

- Created and maintained menu and menu authoring java applications (Java, Spring Boot)

### Park Ranger

May 2018 - May 2022

City of Pittsburgh

- Organized and led environmental educational programming for children of all ages and adults, including star and planet gazing events, classroom lessons, nature hikes, and tree plantings
- Collaborated with Pittsburgh Parks Conservancy, Department of Public Works, and local community groups to improve park amenities and trails

### STEAM Teacher

Sep 2020 - Mar 2022

Assemble

- Created and taught STEAM (science, technology, engineering, art, and mathematics) lessons for all ages
- Led a team of 4 teachers, coordinating curriculum and logistics between schools and Assemble staff

### Nature Educator

Sep 2020 - Mar 2022

- Led 1-3 students in nature hikes and activities promoting observation and creativity once a week

### STEAM Curriculum Developer

Oct 2018 - Oct 2019

Makerstate

- Designed a course to teach computational thinking principals using people programming

## **High School Math and STEAM Teacher**

Sep 2016 - Oct 2017

New Outlook Academy

- Pioneered the STEAM curriculum for the school, where the students learned 3D modeling and printing, web design, and the basics of computer science
- Planned and taught high school math classes for students 8th-12th grade

## **EDUCATION**

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### **Master's in Neural Computation**

Jun 2014 - Sep 2016

Carnegie Mellon University

Designed and simulated a model of stimulus encoding in cortical neural networks

### **B.S. in Mathematics**

Aug 2010 - May 2014

University of Nebraska-Lincoln