Aubrey Thompson

Associate Technical Consultant

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SUMMARY

- Mathematician with a Master's in Neural Computation
- Full-stack engineer
- Former STEAM educator

WORK EXPERIENCE

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

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