

Robed Beauville

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EDUCATION

University of Pittsburgh

Master's Degree in Applied Mathematics

Cumulative GPA: 3.83/4.0

Relevant Courses: Programming with Python, Javascript Programming, Unix Tools, Linear Algebra and Matrices

Honors: Dean's List Scholar, K. Leroy Irvis Fellowship, Magna Cum Laude

Pittsburgh, PA

December 2019

Florida State University

Bachelor's Degree in Mathematics

Cumulative GPA: 3.9/4.0

Relevant Courses: Fundamentals in Computer Science, Object Oriented in C++, Graph Theory, Statistics and Probability

Honors: President's List Scholar, SSF Scholarship Recipient, Summa Cum Laude

Tallahassee, FL

August 2017

PROJECTS & EXTRACURRICULARS

Design and Analysis of Algorithms and Data Structures

Coursera E-learning [Github](#)

October 2020

- Analyzed and completed 50+ problems with 725+ test files from Stanford University and UCS Coursera Series.
- Constructed data structures including graphs for algorithms such as Dijkstra's shortest path, passed 100% of tests.

Tools: Python, unittest, JavaScript, QUnit API

Relational Databases & Set Theory Webinar

University of Pittsburgh [Github](#) | [Talk 1](#) | [Talk 2](#)

May 2020

- Executed 2 seminar speaking events in relational databases, 12 attendees.
- Designed a database to provide an example of SQL relational databases for the 2nd seminar.

Tools: MySQL, PHP, Microsoft Office

Calculus Calculator with Chatbot API [Github](#) | [Website](#)

April 2020

- Launched and hosted a fullstack Django application with an integrated retrieval based chatbot API with 20+ intents.

Tools: Python, NLTK, TensorFlow, Keras

WORK EXPERIENCE

BlueToad Inc.

Junior Frontend Developer

Orlando, FL

August 2020 – October 2020

- Refined, tested, and debugged JavaScript (ES6) code that executed functionalities within HTML5 based templates.
- Engaged in weekly product discussion meetings and explained current managed projects and issues, a team of 7.

University of Pittsburgh

Graduate Teaching Fellow & Lecturer

Pittsburgh, PA

September 2018 – May 2020

- Taught and tutored courses in Calculus 1, 2, 3, Linear Algebra, and Advanced Mathematics.
- Collaborated in a team of 6 - 10 faculty members to maintain a portfolio of 250+ students each semester.
- Cultivated and presented course material to 50+ students in 6 weeks, achieved a 93% passing.

Florida State University

Undergraduate Researcher & Programmer

Tallahassee, FL

August 2016 – March 2017

- Proved, in 100+ lines of code, that Binary Tree data structures produce a Tamari ordering, [Publication](#).
- Orchestrated weekly meetings 1-2 a week for project management and review sessions.

SKILLS & ACTIVITIES

Languages: Python, JavaScript

Experience with: C/C++, PHP, React, Node.js

Activities: STEM Mentoring Program, Vice President of Robotics Club (MDC)