

# Robed Beauville

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## EDUCATION

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### University of Pittsburgh

#### *Master's Degree in Applied Mathematics*

Cumulative GPA: 3.83/4.0

Relevant Courses: 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: 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

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### Design and Analysis of Algorithms and Data Structures

Coursera E-learning [Github](#)

October 2020

- Solved, analyzed, and coded 50+ problems with 725+ test files from Stanford University's and UCS's Coursera Series.
- Utilized appropriate data structures like graphs and queues to program algorithms such as Dijkstra's shortest path.

**Tools:** Python, unittest, JavaScript, QUnit API

### Relational Databases & Set Theory Webinar

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

May 2020

- Invited as the special guest speaker for 2 seminars in relational databases and its relation to set theory, 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

E-learning Application [Github](#) | [Website](#)

April 2020

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

**Tools:** Python, JavaScript, NLTK, TensorFlow

## WORK EXPERIENCE

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### BlueToad Inc.

*Junior Frontend Developer*

Orlando, FL

August 2020 – October 2020

- Involved in the development and implementation of web technologies that executed front-end interfaces.
- Tested, debugged, and built code that works across multiple browsers and digital platforms.

### 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 with 6 - 10 faculty members to maintain a portfolio of 250+ students each semester.
- Composed 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 that Binary Tree data structures have a Tamari (Weak) ordering. [Publication](#)

## SKILLS & ACTIVITIES

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**Languges:** Python, JavaScript

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

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