

# Robed Beauville

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## EDUCATION

### 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, Optimization

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

### Analysis of Algorithms Collection [Github](#)

#### *Coursera E-learning*

October 2020

- Solved and coded 50+ problems with 725+ test files for Stanford University's and UCS's Coursera Series.
- Utilized appropriate data structures and algorithms e.g. graphs and breath-first search to program Dijkstra's shortest path.

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

### Relational Databases & Set Theory Webinar [Github](#)

#### *University of Pittsburgh*

May 2020

- Invited as the special guest speaker for 2 seminars in relational databases and its relation to set theory, 15 attendees.
- Designed a database to provide an example of SQL relational databases for the 2nd seminar.

**Tools:** MySQL, PHP, Microsoft Office

### AI Calculus Tutor Bot [Github](#) [Website](#)

#### *E-learning Application*

April 2020

- Launched a web responsive Django application and engineered a retrieval based chatbot API with 20+ intents.

**Tools:** Python, JavaScript, NLTK, Tensorflow, SQLite Database

## WORK EXPERIENCE

### BlueToad Inc.

Orlando, FL

#### *Web Developer (Front End)*

August 2020 – October 2020

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

### University of Pittsburgh

Pittsburgh, PA

#### *Graduate Teaching Fellow & Lecturer*

September 2018 – June 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

Tallahassee, FL

#### *Undergraduate Researcher & Programmer*

August 2016 – March 2017

- Proved that the Binary Tree data structure have a Tamari (Weak) ordering. [Publication](#)
- Lead meeting 1-2 times a week for project management and weekly review sessions.

## SKILLS & ACTIVITIES

**Languages:** Python, JavaScript

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

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