

# Robed Beauville

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## EDUCATION

### University of Pittsburgh

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

Cumulative GPA: 3.83/4.0

Pittsburgh, PA

December 2019

### Florida State University

#### *Bachelor's Degree in Mathematics*

Cumulative GPA: 3.9/4.0

Tallahassee, FL

August 2017

**Relevant Courses:** Fundamentals in Computer Science, Object Oriented in C++, Statistics, Unix Tools, Linear Algebra and Matrices

**Honors:** President's & Dean's List, SSF Scholarship Recipient, Summa Cum Laude, Magna Cum Laude, K. Leroy Irvis Fellowship

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

## 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's University and UCS's course.
- Constructed data structures including graphs for algorithms such as Dijkstra's shortest path, passed 100% of tests.

**Tools:** Python3, Unittest, JavaScript, QUnit API

### Relational Databases & Set Theory Seminar

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:** Python3, HTML5, CSS3, NLTK, TensorFlow, Keras, JSON

### Personal Website [Github](#) • [Portfolio](#)

November 2020

- Deployed a responsive multiply platform developer portfolio on Github pages.

**Tools:** ReactJs, Node.js, Git, HTML5, CSS3, SCSS

## WORK EXPERIENCE

### BlueToad Inc.

Orlando, FL

Junior Frontend Developer

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

Pittsburgh, PA

Graduate Teaching Fellow & Lecturer

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

Tallahassee, FL

Undergraduate Researcher & Programmer

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

**Languges:** Python3, JavaScript (ES6)

**Experience with:** C/C++, React, Node.js, HTML5, CSS3, SCSS, PHP