

# Robed Beauville

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## EDUCATION

**MA in Applied Mathematics**, 2019, **University of Pittsburgh**, Pittsburgh, PA, **GPA**: 3.86/4.00

**BS in Mathematics**, 2017, **Florida State University**, Tallahassee, FL, **GPA**: 3.90/4.00

**Curriculum:** Object-Oriented Programming, Javascript programming language, Responsive Web Design and Software Applications, Relational Databases, Operating Systems, Data Analysis, SEO Optimization, Linux/ Unix tools.

**Activities:** STEM Mentoring Program, Vice President of Robotics Club, Dean's List, President's List, Summa Cum Laude, Cum Laude.

## EXPERIENCE

**University of Pittsburgh**, *Graduate Teaching Fellow / Lecturer* (08/2018)-Present, Pittsburgh, PA

Collaborated with 6-10 faculty members to maintain a portfolio of 250+ students each semester.

Taught and tutored courses in Advanced Mathematics, Calculus 1 - 3, College Algebra, and Linear Algebra.

Composed and presented course material to 50+ students in 6 weeks. Achieved a 93% passing rate.

**Florida State University**, *Math Logic and Computer Science Researcher*, (08/2020)-(05/2017), Tallahassee, FL

Programmed a new mathematical result in 100+ lines of code. Team of 2.

Proved that 2 node data types have a partial ordering in COQ, a formal proof management system. ( [Result](#) )

Lead meetings 1-2 times a week for project management and weekly review sessions.

## PROJECTS

**Full Stack Fitness Training**, (05/2020)-Present, ( [Github](#), [Website](#) )

Implemented the Fisher-Yates algorithm to display 1-7 food recommendations.

Wrote 3000+ lines of well organized maintainable code. Used MVC best practices and Agile methodology.

**Tools:** PHP back-end, CSS, React Javascript, MySQL SQL Server, Bootstrap, XAMPP, AWS, Elastic Cloud

**A.I. Calculus tutor bot**, (03/2020)-(04/2020) ( [Github](#), [Website](#) )

Launched a mobile responsive Django calculus compute engine.

Engineered a retrieval based chatbot API with 20+ response. Wrote and debugged Test Automation cases.

Directed 10 surveys, 1 focus group, and 15 user interviews, 90% positive review.

**Tools:** Python back-end, Javascript, HTML, CSS, JSON, AJAX, Django, Tensorflow, NLTK, D3.js, SQLite Database

**Relational databases and Set theory webinar**, **University of Pittsburgh**, (05/2020)-(05/2020) ( [Talk 1](#), [Talk 2](#) )

Invited as the special guest speaker of 2 seminars about 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 Database, PHP back-end, MAMP stack, HTML / CSS front-end, Microsoft PowerPoint, Zoom Webinar Software

**Personal Website:** Deployed developer portfolio on Github pages. ( [Portfolio](#), [Github](#) )

**Tools:** ReactJs, Node.js, Git, HTML/CSS

**TWITTY Microblog:** Built a full stack social networking website. Created and tested 10 user profiles. ( [Website](#), [Github](#) )

**Tools:** Flask, Python, jQuery, Bootstrap, Jinja2, HTML, CSS, SQL Alchemy

**Notepin app:** Designed a multi-browser note-taking app. Deployed on Heroku Cloud services. ( [Website](#), [Github](#) )

**Tools:** Flask, Python, Javascript, Bootstrap, Jinja2, HTML, CSS, PostgreSQL

## SKILLS

- **Proficient in:** PHP, Python, JavaScript **Working Knowledge:** C++, SQL, HTML5, CSS3, HTML, CSS, Bash shell scripting, Git, SQL Database, XML, Tableau, Mobile Responsive Design, SSL, HTTP Protocols, Web Apps, CI/CD
- **Web Server:** Apache, Nginx **OS:** Windows, Linux/UNIX, macOS, Ubuntu
- **Software and Services:** IAM, Amazon web services AWS, Elastic Cloud Services EC2, Heroku CLI, Visual Basics
- **Libraries / Frameworks:** React, ReactJs, Node.js, Node, Django, Flask, Bootstrap, D3.js, jQuery