

# ROBED BEAUVILE

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**Github:** [github.com/beauvilerobed](https://github.com/beauvilerobed) | **Portfolio:** [beauvilerobed.github.io/Portfolio/](https://beauvilerobed.github.io/Portfolio/) |

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Committed to using science, technology, and mathematics in the pursuit of knowledge.

Ability to build and maintain relationships, collaborate with others, engage in constructive conflict, and adroit at learning new systems in a fast-paced environment.

**Relevant course work:** Object Oriented Programming in C++, Data Structures and Algorithms, Theory and Structure of Databases, Machine learning, Artificial Intelligence, Linear Algebra, and Statistics.

## SKILLS

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**Proficient in:** PHP, Python, JavaScript

**Working Knowledge of:** T-SQL, CSS/HTML, UNIX scripting, C++, C, Git, AJAX, JSON, Tableau

**Web Servers:** Apache, Nginx, Gunicorn **Platforms:** Linux/UNIX, Ubuntu, MacOS, Windows

**Development Software and Services:** Atom, Visual Studio, IDLE, AWS, EC2, MAMP, XAMPP, HEROKU CLI

**Frameworks:** React.js, Node.js, Django, Flask, Bootstrap, D3.js, jQuery

## PROJECTS

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**SFITNESS AUTOMATED PERSONAL TRAINER**, ( Summer 2020 ) [Website](#) [Github](#)

**Tools:** PHP, CSS, React.js, SQL, Bootstrap

- Implemented the Fisher-Yates algorithm which reveals 1-7 food nutrition tables.
- Succeeded in developing an algorithm that decreases user's weight by 4% - 12% in 4 weeks.
- Wrote 3000+ lines of source code using PHP MVC best practices.

**A.I. CALCULUS TUTOR BOT**, ( Spring 2020 ) [Website](#) [Github](#)

**Tools:** Python, Javascript, HTML, CSS, JSON, AJAX, Django, Numpy, Tensorflow, SymPy NLTK, D3.js

- Launched a compute engine with an illustrative guide feature that solves calculus problems.
- Engineered and Integrated a retrieval based chatbot API with 20+ response patterns.
- Directed 10 surveys, 1 focus group, and 15 user (student) interviews, received a 90% positive reviews.

**2-PART SERIES "LET'S LEARN SQL THROUGH SET THEORY!"**, ( Summer 2020 ) [Talk 1](#) [Talk 2](#)

**Tools:** T-SQL, PHP, MAMP, HTML, CSS, Microsoft PowerPoint

- Orchestrated 2 seminars to teach T-SQL and relational database principles, team of 5.
- Designed a database to provide an example of a RDBMS, attended by 23 undergraduates.

**THE WORLD'S HARDEST GAME**, ( Spring 2020 ) [Github](#)

**Tools:** C, C++

- Constructed a 26 level guessing game. Level 1 is impossible and level 26 is a guaranteed victory.

## EDUCATION

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**UNIVERSITY OF PITTSBURGH**, Pittsburgh, PA, **MA in Applied Mathematics**

Cumulative GPA 3.86/4.00 ( Completed in December 2019 )

**FLORIDA STATE UNIVERSITY**, Tallahassee, FL, **BS in Mathematics** with a **Minor in Computer Science**

Cumulative GPA 3.90/4.00 ( Completed in June 2017 )

## EXPERIENCE

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**Graduate Teaching Fellow/Lecturer** at **University of Pittsburgh**, Pittsburgh, PA

( August 2018 - Present )

- Composed and presented course material to 50+ students in 6 weeks, received a 93% passing rate.
- Collaborated with faculty to maintain a portfolio of 250+ student's each semester, group of 6-10.

**Math logic and Computer Science Researcher** at **Florida State University**, Tallahassee, FL

( August 2016 - May 2017 )

- Spearheaded a thesis project to publish an original result in 100+ lines of code, team of 2.
- Proved that two node data types have a partial ordering in a formal proof management system.