

# Bobby Rouse

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## EDUCATION

### UNIVERSITY OF PITTSBURGH

BACHELOR OF SCIENCE

Class of 2022 | Pittsburgh, PA

Major: Computer Engineering

Minor: Economics

Relevant Coursework:

Art of Making, Practical AI, Algorithm Implementation, Data Structures

### BOSTON LATIN SCHOOL

Grad. May 2018 | Boston, MA

NHS Member, Cross Country Captain

## SKILLS

### PROGRAMMING LANGUAGES

C/C++ • Java • Python • HTML • CSS •  
JavaScript • React.js • Node.js • MATLAB  
• Arduino • SQL • Git • Jupyter •  $\LaTeX$

### DESIGN

Figma • Adobe XD • Adobe Photoshop •  
Adobe Illustrator • Adobe Dimension

### PRODUCT

Human-Centered Design • User Research  
• Rapid Prototyping • A/B Testing

### BUSINESS

Roadmapping • Financial Valuation •  
Market Analysis • SEO • Email Marketing

## AWARDS

Pitt Design Expo:

- Overall Winner (1/98)
- Section Winner (1/7)
- Most Creative Award

Big Idea Competition Finalist (Top 25/85)

AIME Qualifier (2018)

## ACTIVITIES

Project Manager - Pitt Robotics (2018-20)

Campaign Manager - YOUR Slate (2020)

Analyst - Panther Equity (2018-20)

## INTERESTS

Surfing, Running, Life-changing Tech

## EXPERIENCE

### FOODLE PRODUCT LEAD AND CO-FOUNDER

Oct 2019 - Present | Pittsburgh, PA

- Conceived, prototyped and designed a single-component, reusable container meant to be taken on-the-go and replace current reusable food containers.
- Conducted 120 interviews of target users and experts during the early development stages to improve upon and verify our design.
- Directed extensive user testing round from Sept. 2020 - Nov. 2020 to optimize our design in preparation for Q1 2021 product launch.

### CLASSROOM TO COMMUNITY GROWTH MANAGER

Jan 2020 - Present | Pittsburgh, PA

- Standardized recruitment process for the lab, resulting in a 130% increase in lab membership.
- Created bootcamp program to teach new teams essential design skills and to validate new projects, leading to 40% increase in number of active teams.
- Oversaw initiative to expand lab across entire university, which welcomed lab members from 3 new schools and 11 new departments.

### UNIVERSITY OF PITTSBURGH TEACHING ASSISTANT

Dec 2019 - Present | Pittsburgh, PA

- Teaching Assistant for ENGR 1716: 'The Art of Making.'
- Headed teaching staff initiative to reinvent all course content for online delivery.
- Mentored student groups for semester-long Capstone design project.

### DEDHAM PUBLIC SCHOOLS INFORMATION TECHNOLOGY INTERN

May 2018 - Aug 2020 | Dedham, MA

- Processed and distributed over 500 Chromebooks for students (grades 7-12) in response to COVID remote learning requirements.
- Prepared 230 staff computers, allowing for a seamless transition to online learning.

## PROJECTS

### TWITTER SENTIMENT ANALYZER REACT.JS, PYTHON NLTK

- Developed an end-to-end application that determines the sentiment and whether a tweet is political or not.
- Built a machine learning model using Python NLTK.

### SPOTIFY MIGRATOR SPOTIFY API, APPLE MUSIC API, PYTHON, GITHUB

- Built a Python application to move user metadata from Apple Music to Spotify.
- Extracts a user's playlists from Apple Music and creates identical copies of those playlists in the user's Spotify account.

### BOBBYROUSE.IO HUGO, JAVASCRIPT, NETLIFY, GITHUB

- Built and deployed a personal website built in the Hugo framework.
- Added custom Javascript functions to increase interactivity.