

Sethatevy Bong

✉ tevybong@gmail.com

☎ (240) 374-8056

📍 Lowell, MA



EDUCATION

Smith College

B. A in Computer Science and Minor in Statistical and Data Sciences | GPA: 3.5

May 2022

Northampton, MA

Montgomery College

A.A in Information System | GPA: 3.91, Honors

May 2020

Rockville, MD

Relevant Coursework: Algorithms | Software Engineering | Systems Analysis and Designs | Data Ethnography

PROFESSIONAL EXPERIENCES

Fidelity Investments

Jul. 2022 – Present

Full Stack Software Engineer

Boston, MA

- Developing applications for Portfolio Managers in Money Market managing a daily volume of ~500B USD
- Deliver trading and cash management UI features with **Angular**, **TypeScript**, **RxJS**, **Python**, and **REST**
- Maintain, design, test, on-call support(**DataDog**), and release(**Jenkins** and **AWS**) enterprise-level applications

Smith College | Toyota Research Institute (TRI)

Sep. 2021 – Apr. 2022

Research Assistant

Northampton, MA

- Investigate methods to build a story generation system with NLP using **Emacs**, **Slime**, and **CLisp**

Vertex Pharmaceuticals

Jun. 2021 – Aug. 2021

Process Excellence Intern

Boston, MA

- Built applications to automate disassembly and assembly tasks with **Tulip** and **Asana** for a ~2500 parts pill producer
- Designed user interface and added procedural content from **QDocs** to optimize UI/UX and support on-site operators
- Coordinated a project interfacing **Tulip** and **OSI PI** using **RESTful API**, and **PI Asset Framework Server**

National Institute of Standards and Technology

Jan. 2020 – Aug. 2020

Research Intern

Gaithersburg, MD

- Developed two **MATLAB** programs to assess the measurement error of surface texture for metal 3D Printing
- Identified surfaces' defects on 17MM data points using 2D and 3D with a fitted function of 94% accuracy

PROJECTS

Stock Prediction Using Machine Learning (Python)

(Individual) Jul. 2020

- Develop tree and linear regression prediction models using **Scikit-Learn**, **Pandas**, and **Matplotlib** libraries

Data Analytics: [The Power of Bicycles to Fight Climate Change](#) (R and SQL)

(Group) Dec. 2020

- Leveraged **Leaflet**, **sf**, **RMYSQL**, and **RMarkdown** to create spatial data for NYC's 50 busiest Citibikes' stations

[ValetBike](#) Bike Sharing Web Application (Ruby, Ruby on Rails, and Devise Gem)

(Group) Dec. 2021

- Built an interactive map with geographical pop-up menu using **Google Map JavaScript API** to mark bike stations

LEADERSHIPS & AWARDS

Team Leader, *Best Partnership Award*, *Smith Prize in Entrepreneurship*

Spring 2021

President, *Society of Women Engineers*, *Smith College*

Summer 2021 – Spring 2022

- Leading and directing social events for 150 active members

Vice-President, *Phi Theta Kappa (PTK)*, *Montgomery College*

Spring 2019 – Spring 2020

- Organized events and promoted social connectivity and communal involvement to 400 members

Research Assistant, *The John W. Kluge Center*, *Library of Congress*

Aug. 2019 – Jan. 2020

- Investigated the security of national election infrastructures created by private entities

Math Tutor, *Ackerman Learning Center*, *Montgomery College*

Jan. 2019 – Oct. 2019

SKILLS & SOFTWARES

Programming: Angular, TypeScript, Python, Java, R, CLisp, MATLAB, HTML, JavaScript, CSS, C#, and C

Certification: IBM Machine Learning with Python

Technical skills: Cypress, Jenkins, Cucumber, AWS Wiremock, test automation, CI/CD, ServiceNow, Jira, JUnit, .Net, Akka, Scala, Figma, Blender, and Tableau