Sethatevy Bong

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EDUCATION

Smith College Expected May 2022
B. A in Computer Science and Minor in Statistical and Data Sciences | GPA: 3.68 Northampton, MA

Montgomery College May 2020
A.A in Information System | GPA: 3.91, Honors Rockville, MD

Relevant Coursework: Algorithms | Software Engineering | Systems Analysis and Designs | Data Ethnography | Multiple Regression | Computational Machine Learning | Microprocessor and Assembly Languages | Computer Vision

SKILLS

Languages: Python, R, SQL, Java, CLisp, MATLAB, Ruby, HTML, JavaScript, CSS, C, and C#
Frameworks & Technologies: Tidyverse, Numpy, Seaborn, Keras, TensorFlow, Ruby on Rails, MySQL, Tableau, and AWS

PROFESSIONAL EXPERIENCE

Smith College | Toyota Research Institute (TRI) Sept. 2021 – Present
Student Researcher Northampton, MA
- Developing a script-based story generator with Natural Language Generation using Emacs, Slime, and CLisp

Vertex Pharmaceuticals Jun 2021 – Aug 2021
Process Excellence Intern Boston, MA
- Built iOS mobile applications to automate and reduce errors of assembly and disassembly tasks using Tulip and Asana
- Designed user interface and added procedural content from QDocs to support on-site operators
- Extracted and loaded state of equipment data needed for maintenance activities to improve scheduling efficiency
- Coordinated a project interfacing Tulip and OSI PI using RESTful API and PI Asset Framework Server

National Institute of Standards and Technology (NIST) Jan 2020 – Aug 2020
Research Intern Gaithersburg, MD
- Developed a MATLAB tool to estimate the effect of errors and uncertainty on additive manufacturing surfaces
- Identified surfaces' defects on 17M data points using Monte Carlo Simulation with 2D and 3D data visualization
- Established a fitted function of over 94% accuracy for systematic noise and surface data

The John W. Kluge Center, Library of Congress Sept 2019 – Jan 2020
Research Assistant Washington D.C.
- Investigated the security of U.S national election infrastructures produced by private entities to inform policymakers

PROJECTS

ValetBike, Bike Sharing Web Application (Ruby, Ruby on Rails, and Devise Gem) Oct 2021 – Dec 2021
Project Manager and Software Engineer [Team of Five]
- Built an interactive map using Google Map JavaScript API to mark bike stations
- Added a pop-up menu to each bike station to display address and link directions using JavaScript

Predictions using Machine Learning (Python, R, and SQL) July 2020 – Dec 2021
Data Analyst [Team of Three]
- Used SQL, MySQL, and R for data analytics to promote the carbon-neutral footprint adaptation in New York City
- Developed tree and linear regression models to predict stock prices using Scikit-Learn, Pandas, and Matplotlib
- Created visualizations and dashboards for reporting analytics using Tableau and Python

LEADERSHIPS AND AWARDS

President, Society of Women Engineers (SWE), Smith College May 2021 – Present
CEO, TARO (Food-Delivery Application), Smith Prize in Entrepreneurship Jan 2021 – Present
Vice-President, Phi Theta Kappa (PTK) Honors Society, Montgomery College Jan 2019 – May 2020
Math and Engineering Tutor, Ackerman Learning Center, Montgomery College Jan 2019 – Oct 2019