Naomi Meininger

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EDUCATION

Tufts University, **Medford, MA** — Expected Graduation: May 2024

Bachelor of Science in Computer Science, Minors in Mathematics and Theater

GPA: 3.70 / 4.0, Dean's List

Relevant Courses: Real Analysis, Data Structures, Mathematical Modeling, Machine Structure and Assembly-Language Programming, Data Science and Data Analysis, Data and Power: Surveillance, Programming Languages, Web Programming

Fall 2023: Algorithms, Internet-Distributed Systems, Ethics for AI

Skills: C++, C, Python, Java, Typescript, HTML, CSS, JavaScript, Jquery, PHP, Node, Angular, Spring Boot, Selenium WebDriver, Git, Gitlab, Atlassian Jira, Confluence, SQL, PostgreSQL, MongoDB, Pandas, Scikit-learn, Tensorflow, Impcore, Scheme, SML, NML, LaTex, Excel, Microsoft, Google Colab, Jupyter Notebook, VsCode, Slack, SiteGround, Heroku, Professional Working Spanish, Beginner Italian

EXPERIENCE

Full Stack Software Engineering Intern, Blue Cross Blue Shield of Massachusetts, Boston, MA — June 2023 – Aug 2023

- Scraped data from LogRocket navigation initially using Spring Boot, Selenium, and Java before switching to Python and Selenium due to speed restrictions, sent the response to a Python driver file, and then cleaned the data before sending it to a PostgreSQL database
- Built a Random Forest model to predict the top 3 links for five general insurance plans
- Designed an Angular Service and Python backend to display the unique set of generated links based off one's insurance plan on the homepage of the BCBSMA website
- Implemented features such as popup windows and new pages using Angular, improved the security using SecurityFilterChain, Spring Boot, and Beans, and connected multiple endpoints to display relevant data using Spring Boot, Python, and Angular in MyBlue developer tools

President, Tufts TAMID, Medford, MA — Dec 2021 – Dec 2022
Co-Director of Data Science Sector, Tufts TAMID, Medford, MA — Apr 2021 – Dec 2021
Associate Data Scientist, Tufts TAMID, Medford, MA — Oct 2020 – Present

- Oversaw the consulting, finance, and data science sectors of TAMID at Tufts and managed the chapter's budget
- Coordinated projects and membership, organized and taught education sessions in a variety of data science topics
- Learned about various aspects of data science, such as deep neural networks and decision trees, and applied this knowledge to professional and real-world experience, most recently through a project with TropX

Teaching Assistant for Computer Science, Tufts University, Medford, MA — Aug 2021 – Present

- Teach students recursion, pointers, and functional programming
- Staff 3 office hours, grade 10 students, and lead a 26 person lab each week while assisting with course infrastructure

Teaching Assistant for Summer Immersion Program, Girls Who Code, Virtual — May 2022 – Aug 2022

- Taught HTML, CSS, and JavaScript while promoting sisterhood and making an impact with STEM and computing

Exercise Modeling Data Intern, TropX, Medford, MA — Oct 2021 – Dec 2021

- Trained binary classification model on exercise data using Keras LSTM layer that identifies the correct execution of exercises

PROJECTS

Image Compressor and Decompressor (C)

- Applied a Discrete Cosine Transformation and bit packing techniques to compress a ppm image to a binary file
- Utilized bitwise operations to decompress a binary file to a ppm image while averaging 2% data loss

E4U (HTML, CSS, JavaScript, Jquery, Node)

- Designed a web application that utilizes MongoDB to create user profiles, add workouts, search for relevant exercises in an API, view past workouts, and edit and delete past workouts

Theta Budget Tracker (HTML, CSS, JavaScript, Jquery, Selenium, Python)

- Designed a platform that allows executive members of my sorority, Kappa Alpha Theta, to access their remaining budget for the year
- Utilized Selenium to scrape the budget from my VP of Finance account and Heroku to deploy the website

INTERESTS

Musical Theater, Disney, Sousaphone, Trivia, History, Judaism, Community Outreach