Mkhanyisi Gamedze

(207) 616 9348 | mkhanyisi.g@gmail.com | mkhanyisi.xyz | Linkedin | GitHub

Education

Brandeis University, Waltham, MA   **Master of Science (MS), December 2022**

Program: Computer Science   **Program GPA:** 3.7

Colby College, Waterville, ME   **Bachelor of Arts (BA), May 2019**

Majors: Physics: Astrophysics and Computer Science

Relevant Courses: Operating Systems, Analysis of Algorithms, Data Structures & Algorithms, Deep Learning, Statistical Machine Learning, Data Mining & Unsupervised Learning, Data Analysis & Visualization, Database Management Systems, Computer Graphics, Parallel & Distributed Processing, Mobile App Development, Computational Physiology, Computer Vision, Programming Languages, Theory of Computation, Linear Algebra

Skills & Technologies

- **Strong Proficiency**: Typescript, JavaScript (React, NodeJS), Python (NumPy, Pandas, PyTorch, *Selenium*), Java, HTML, CSS, Git
- **Proficient**: Ruby(Rails), R, Terraform, C, C++, PHP (Laravel), Heroku

Work Experience

Electives, Boston, MA   February 2023- March 2024

Full Stack Engineer

- Electives is an enterprise live learning EdTech startup that streamlines the curation and delivery of a variety of corporate training programs
- Collaborate with Product, Sales, and Customer Support teams to enhance platform client engagement tools and excellent class experiences
- Refactor and optimize platform services performance and User-Interface design aesthetics as part of a small autonomous engineering team
- Work closely with product stakeholders during agile sprints to translate Figma designs into Jira stories and address reported prod issues
- Spearheaded implementation of feature epics, including a new membership product and reporting pages, designed and refactored backends
- Contribute to Serverless (React+AWS + NextJS+GraphQL+GitLab) Microservices architecture supporting the platform and cloud services
- Code quality reviews to audit bugs, performance issues, and security threats(SOC 2). Handle documentation and product support issues

Prospector Portal, Boston, MA   June 2020- December 2022

Software Engineer - FullStack

- AI-enabled analytics platform modernizing the unprecedented ease of access by investors and researchers to structured mining information
- Backend PHP-Laravel MVC relational backend development and building geospatial maps using Google Maps JavaScript API tools
- Wrote sourcing data acquisition automation Python scripts using Selenium Webdriver, then ingested data into our SQL databases and cloud
- Data cleaning, processing, and scripting to automate the standardization of mineral resource data files for our inhouse projects database
- Implemented ETL cloud pipeline and function scripts (AWS+Docker) for our data updates, collection, and S3 bucket, Snowflake handlers
- Worked within a small agile methodology product team for our regular product upgrade releases which had to meet business requirements

HubSpot Inc, Cambridge, MA   May 2022- August 2022

Software Engineer Coop/Intern

- Software Engineer Intern on the Content Management Systems - Developer Infrastructure team responsible for multiple Java Backend APIs
- Worked on CLI authentication feature rollout tool to gate or map enabled features to external open-source Hubspot products as the main project
- Exposure to SDLC clean code patterns in enterprise repositories, design patterns, dependency injection(Maven), and OAuth principles

Brandeis University, Waltham, MA   October 2021- December 2022

Graduate Research Assistant

- Computational Linguistics Applications for Multimedia Services(CLAMS) Django App project with Prof James Pustejovsky(NLP) group
- Time-Driven Activity Based Costing(TDABC) project on Jupyter raw data cleaning, formatting, and analysis, to prep for further reporting and ingestion onto PowerBI and Tableau by collaborating researchers at the Brandeis IGHD at the Heller School and Partners in Health

Kumba Africa, Boston, MA   January 2020 - July 2020

Software Engineer - FullStack

- Implemented GCP cloud functions, Node JS, and Express server applications for Event bookings and webhooks to track email communication
- Automated a web scraping tool targeting SA retail stores for use in building an on-demand grocery and goods delivery platform [(Delivast)](Delivast)

The Jackson Laboratory, Farmington, CT   July 2019-October 2019

Scientific Software Engineer Intern

- Intern on the Clinical Knowledge Base(CKB) team under the Computational Sciences department focusing on Clinical Curation and Analytics
- Data Visualization on cancer genomic profile data focusing on highlighting frequencies and relationships in a visually comprehensive way
- Developed and automated Web data visualization tools in Jupyter Notebooks and then later presented solutions to the whole team
- Implemented multiple data visualizations using D3.js, highlighting and mapping relationships for disease ontology and efficacy evidence
- Data Visualization work integrated into internal application released before the end of my internship for use by academics and researchers

Extracurricular Activities

- Brandeis Apartment Search, Colby African Society, Vuvuzela Dance group, Colby Hackers, UWC club, soccer