ELI KIRMAYER

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TECHNICAL STRENGTHS

Computer Languages	Python, Java, C, R, SQL, HTML/CSS/JavaScript, PERL, AMD64 Assembly
Databases	MySQL, Elasticsearch, Redis, MongoDB, SQLite, PostgreSQL
Tools & Operating Systems	Git, Perforce, LaTeX, SolidWorks, Tableau, macOS, Windows, Linux

EDUCATION

Northeastern University - B.S. in Computer Science *2016 - Present (2021 expected)*

Honors: GPA: 3.85, Dean's List 2016 onward

Course Assistant: Principles of Information Science; Data Collection, Integration, and Analysis; Database Design; Large-Scale Information Storage & Retrieval

EXPERIENCE

NVIDIA October 2018 - December 2018, May 2019 - December 2019

Software Engineering Co-op, MTS Tools Team *Santa Clara, CA*

- Worked on an internal Django dashboard designed to display CPU microcode performance.
- Upgraded CPU build dashboard to a more recent Python version and library releases.
- Migrated CPU tracer explorer with same Python version and library releases.
- Displayed relevant CPU performance comparisons between runs for smoother workflow.
- Designed Django and Selenium testing suites to accompany and assist tool upgrade processes.
- Fixed CPU build code for MISRA Safety compliance.
- Provided feedback on comprehensibility of code written and maintained by a single person.
- Redesigned table data extraction and formatting to better present information organized by date.
- Implemented frontend and cURL HTTP file upload.
- Extracted and integrated source control information regarding performance tests results into front-end displays.

NVIDIA May 2018 - October 2018

Software Engineering Co-op, Silicon Solutions Group *Santa Clara, CA*

- Designed a web interface to interact with existing GPU data, eliminated man-hour bottlenecks automating Perl-module creation for new projects, and created a user interface to simplify modification of existing files.
- Worked closely with a team of electrical engineers to meet requirements for tools to assist their work.
- Created a Python library that parses Perl source and loads literals as Python dictionaries.
- Refactored Perl scripts to a Python server API to simplify clock-speed calculations.

Findera May 2017 - August 2017

Software Engineering Intern *San Francisco, CA*

- Led design and creation of a Naive Bayes classifier to identify job titles based on Linkedin resumés.
- Handled frontend website feature requests and bug fixes in Javascript.
- Automated HTML data extraction along the data pipeline using Spark and XQuery.
- Built an internal dashboard to create data-transformation rules using Flask and Elasticsearch.

Pyze, Inc June 2016 - August 2016

Software Engineering Intern *Redwood City, CA*

- Designed Python scripts to populate demo accounts with human-like app usage data.
- Implemented automated email scripts for new customers to receive welcome emails on signup.

PROJECTS

Delivery Tracking API August 2019 - Present

- Created a RESTful API to store and track packages in a single location via tracking numbers.
- Built a custom user login system, package store, and scraping system using MongoDB and BeautifulSoup.

Counter Strike: Global Offensive Data Visualizer February 2019

- Extracted live gamestate data into a visualization tool to track user progress and statistics.

Real-time Trading Marketplace March 2018 - April 2018

- Implemented a real-time trading market in Redis to place buy and sell orders for in-game items.