Tom Levi Dunietz

Cell: 734-369-1518 | dunietzt@umich.edu

EDUCATION

University of Michigan in Ann Arbor   **September 2020 - May 2024**

Current GPA: 3.75/4.00

Majors: Computer Science, Mathematics **Minor:** Economics

Coursework: Web Systems, Operating Systems, Software Engineering, Computer Security, Database Management Systems, Computer Organization, Combinatorics, Theory of Algorithms, Econometrics, Probability, Differential Equations.

RELEVANT EXPERIENCE

Amazon Web Services Software Developer Engineering Intern   **May 2023 - August 2023**

Seattle, Washington

- Redesigned a cross platform, unit test framework to comprehensively test for discrepancies in behavior among IOS, Android, and Web development customers' AWS integration.
- Used the AWS Smithy tool to design the unit test schema, deserialize testing data into a schema instance, and export unit test data to all platforms.
- Created a test runner for Amplify Android in Kotlin to run the Smithy Unit Tests automatically.

Hubble Financial Summer Intern   **June 2022 - September 2022**

Remote

- Implemented Yext AI to Hubble Financial's client portals and website to optimize the search engine using Python scripts that clean database CSV files to allow for the knowledge graph building process.
- Increased conversion rate by 140%, and created the intern onboarding notion page for future cohorts.

Michigan Medicine Data Analyst   **October 2021- June 2022**

Ann Arbor, Michigan

- Data analysis of large survey data (SHARE) to examine cognitive and health discrepancies across countries using Python and R, leading to a grant for further research on this topic.
- Presented at University of Michigan's undergraduate research symposium, received excellence award.

Spretzels Intern with Enactus Consulting at Ross Business School   **Jan 2022-June 2022**

Ann Arbor, Michigan

- Independently created an infrastructure to automate the back-end Shopify ecommerce sales channel.
- Every order updates the quantity and revenue columns of the sheet in real time, and alerts business owners when inventory is low, resulting in a 30% increase in owner's efficiency.

Projects

Instagram Clone Application

Static page generator using templates, server side dynamic pages to display updated profiles and the initial feed, and client side REST API to add user features such as double tap for like, update w/o refresh, and infinite scroll.

Search Engine Development

Developed a general mapreduce framework to execute programs distributed on multiple processes. Used the framework to build a scalable wikipedia search engine page using link and text analysis with user interface.

Market Analysis Report

Econometric analysis of the Houston hotel industry, focusing on the correlation between competition and average daily rates. Utilizing statistical techniques and visualization to derive insights in R and Python. Determined that location and proximity to business districts or airports exerted more influence on pricing.

SKILLS

- C/C++, Python, Java, Kotlin, HTML/CSS, React, Flask, Hadoop, SQL, Linux, Matlab, and Gradle.
- Fluent in English, proficient in Hebrew and German.