

Daniel Weber

dweber11@jhu.edu | 917.200.7111 | 184 Ardmere Ave, Staten Island, NY 10314

EXPERIENCE

ZENNER | MACHINE LEARNING INTERN

May 2020 - Sept. 2020 | Tel Aviv, Israel

- Created high-performance chatbot NLU models and integrated multiple travel industry APIs to provide a seamless end-user experience.
- Technologies: Python, Javascript, Tensorflow, Rasa, Docker, Git

DAVID ENERGY | MACHINE LEARNING ENGINEER

July 2019 - Sept. 2019 | Brooklyn, New York

- Created machine learning models to predict a building's electricity demand with 97% accuracy and deployed said models to allow for real-time prediction and scalability.
- Built out the company's IT solutions via a thorough understanding of the intricacies of AWS.
- Technologies: Python, Git, Tensorflow, Scikit-Learn

PROJECTS

DAY.LY - ASSIGNMENT AGGREGATOR AND PLANNER

- Scraped and parsed assignment websites to create an aggregated calendar of student responsibilities.
- Designed MongoDB database to store student event information along with secure login information.
- Technologies: Node, Express, Git, MongoDB, OAuth

SERENDIPITY - NETWORKING VIDEO CHAT ROULETTE

- Created an efficient P2P webRTC-based video chat platform with a Redis-backed matching engine.
- Designed and implemented a user authentication system and database using OAuth and PostgreSQL.
- Technologies: Node, Django, PostgreSQL, Redis, OAuth, WebSockets

STUDENT INVOLVEMENT

PROJEXTX MACHINE LEARNING COMPETITION | TEAM LEADER

Sept. 2020 - Dec. 2020

- Produced research paper detailing a random forest architecture capable of tackling open problem of phage-host interaction with 94% accuracy.
- Technologies: Python, Git, Tensorflow, Scikit-Learn

TEACHER'S ASSISTANT AND GROUP TUTORING LEADER

Sept. 2020 - Jan. 2021

- Performed teacher's assistant duties for the Honors Discrete Math Course including teaching recitation, holding office hours, and grading homework.
- Led two weekly group tutoring sessions for the Discrete Math course where I cemented students' understanding of the material through active learning.

PUBLICATIONS

- [1] D. Avtanski, A. Lavi, K. Bahl, M. Kaiser, D. Weber, et al. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *Endocrine Society*, 2019.
- [2] D. Weber et al. Resistin induces epithelial to mesenchymal transition (emt) in breast cancer cells through activation of axl tyrosine kinase receptor. *Journal of the Endocrine Society*, 2019.

EDUCATION

JOHNS HOPKINS UNIVERSITY

BS COMPUTER SCIENCE

BS APPLIED MATH AND STATISTICS

BA PURE MATHEMATICS

Expected May 2023 | Batimore, MD

Whiting School of Engineering

Cum. GPA: 3.95 / 4.0 ACT Score: 35

LINKS

Github:// [danielkweber](#)

LinkedIn:// [daniel-k-weber](#)

COURSEWORK

UNDERGRADUATE

Data Structures

Computer System Fundamentals

Honors Discrete Math

Honors Linear Algebra

AP Statistics

Intro to Optimization

Differential Equations and Applications

Honors Single Variable Calculus

SKILLS

LANGUAGES

Python

Java

C

C++

Go

Javascript

Matlab

SQL

LaTeX

x86 Assembly

TECHNOLOGIES

Git

AWS/Google Cloud

Docker

OOP

Node.js

Express.js

Django

MongoDB

Postgre

TensorFlow

SOFT SKILLS

Communication

Leadership

Office Suite

Project Management

AWARDS

Hofstra Presidential Essay Award

Dean's List

National Honor Society

National AP Scholar