Nathaniel Diamond

GitHub: NateDiamond

Palm Beach, FL 33480   Email: ndiamond39@gmail.com

EDUCATION

Cornell University, College of Engineering, Ithaca, NY   **Aug 2019 - May 2020**
Master of Engineering, Computer Science
Project: Monitoring Infant Health and Nutrition through Microbiome

Cornell University, College of Engineering, Ithaca, NY   **Aug 2016 - May 2019**
Bachelor of Science, Computer Science
GPA: 4.14 | Summa Cum Laude | Dean's List All Semesters | Cornell Running Club President

Relevant Courses: Cloud Computing, Natural Language Processing, Software Engineering, Formal Verification, Machine Learning, Intro to Algorithms, Honors Linear Algebra, Combinatorics, Abstract Algebra, Computational Algebra, Foundations of Mathematics, Theory of Computing, Multivariable Calculus, Discrete Structures, Economics

Machon Yaakov (David Robinson Institute for Jewish Heritage), Jerusalem, Israel   **Aug 2021 - May 2023**
Intensive Study of *Jewish Philosophy, Law, Hebrew Language, and Business Ethics*
Emphasis on Leadership and Character Development

PROFESSIONAL EXPERIENCE

Wild Tangz, Remote, *Full-Stack Developer*   **Sept 2023 – Present**
- Built API for Dogecoin's Blockchain (doginalsbot.io)
- Developed pages for React Native app that works on mobile and web (wildtangz.com)
- Built a chart viewer for app users' cryptocurrencies
- Created search page for cryptocurrencies, NFTs, and portfolios
- Designed and implemented notification architecture that sends price and technical indicator alerts

Ridgeline, Incline Village, NV, *Product Engineer*   **Jul 2020 – Aug 2021**
- Made ETL pipelines that drove financial reporting software
- Built custom architecture that processed ~100k domain events in 15 minutes
- Devops Liaison—responsible for maintaining team standards and infrastructure
- Managed data warehouse project for interns

Airbnb, San Francisco, CA, *Software Engineering Intern*   **Jun 2019 – Aug 2019**
- ML Engineer for Pricing Modeling team
- Used Airflow, Spark, Gensim, Hive, and other back-end technologies to create a pipeline that generates low-dimensional vector embeddings of listings on Airbnb's platform and clusters those that are similar together

Workday, Pleasanton, CA, *Software Engineering Intern*   **May 2018 – Aug 2018**
- Application Developer for Workday Student
- Learned Workday's proprietary language, XPressO, and pushed customer features into production
- Integrated Workday email notification system for university recruiters into Student product

Cornell University, Ithaca, NY, *Teaching Assistant*   **Aug 2017 – May 2020**
- Spring 2020 Graduate Teaching Assistant for *Introduction to Computing Using Python*
- Fall 2019 Graduate Teaching Assistant for *Data Structures and Functional Programming*
- Spring 2019 Teaching Assistant for *Honors Discrete Structures*
- Spring 2018 Teaching Assistant for *Introduction to Data Science*
- Fall 2017 Teaching Assistant for *Discrete Structures*

SKILLS
- Programming Languages - Python, Javascript, Java, and SQL
- AWS - Lambda, Glue (Spark wrapper), S3, SQS, DynamoDB, RDS, CloudFormation
- Front-End/Mobile - React, React Native, Tailwind CSS, Next.js, Prisma ORM