Jonas Nangle Oppenheim

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https://github.com/oppenheimj

EDUCATION

Master of Science in Engineering in Data Science — May 2022
University of Pennsylvania — Philadelphia, PA

Bachelor of Science in Computer Science, Cum Laude — May 2018
University of Vermont — Burlington, VT

SELECT COURSES

Machine Learning; Deep Learning; Learning in Robotics; Data Science I; Big Data Analytics; Statistics for Data Science; Applied Probability Models; Comput'l Linguistics; Comput'l Photography; Interactive Comp Graphics; GPU Programming; Algorithm Design & Analysis; Numerical Analysis

PROJECTS

Openplanet - https://openplanet.com — August 2021
Multiplayer, procedurally generated 3D world produced by constellation of Docker containers.

TECHNICAL

C++, Golang, Python [*NumPy, Pandas, PyTorch, scikit-learn*], Javascript [*Node, WebGL*], CUDA, WebGPU, Docker

EMPLOYMENT

Software Engineer — June 2022 - present
Google — Cambridge, MA

- Working within Search Platforms product area

Software Dev Engineer I Intern — June - August 2021
Amazon Web Services — Philadelphia, PA (remote)

- Placed on EC2 Core team that monitored the health of all hosts in the EC2 fleet
- Modified team's microservices to forward logs to AWS CloudWatch Logs
- Twice earned MLU Champion badge for topping Amazon's Machine Learning University courses; ranked 1/73 for tabular data model accuracy; rank 3/75 for NLP model accuracy

Software Developer — Aug 2018 - June 2020
IBM — Research Triangle Park, NC

- Developed an API used for provisioning multicloud infrastructure; implemented workflow design to loosen coupling between microservices; converted feature requests into precise technical requirements
- Wrote a Slack bot to track instance provisioning progress and provide daily metrics for management
- Drove institutional change towards better Agile practice and test-driven development

Software Engineer Intern — Jan - May 2018
NextCapital — Burlington, VT

Java Programmer Intern — May - Aug 2017
Cox Automotive (Dealer.com) — Burlington, VT

Economics Research Assistant — Mar 2015 - May 2017
University of Vermont — Burlington, VT

Economics Teaching Assistant — Jan - May 2016
University of Vermont — Burlington, VT

Apprentice Mechanic — Jan - Dec 2011
Jonny's Volvo — Pownal, ME