Isaac Berlin

LinkedIn: https://www.linkedin.com/in/isaac-berlin
Email: dev@isaacberlin.me
GitHub: https://github.com/isaac-berlin
Phone: 612-849-1691

Education

University of Minnesota - College of Science and Engineering, Minneapolis, MN — *Bachelor of Science, Computer Science*

August 2021 - May 2025 GPA: 3.4/4.0. Dean's List

Organizations and Clubs: Computer Hardware Club, Gopher Hack (CTF), UofM Linux Kernel Objective (UKO), Social Coding

Courses: Program Design and Development, Computer Architecture, Advanced Programming Principles, Introduction to AI, Calculus I, Calculus II, Physics I, Discrete Mathematics, Calculus Based Statistics, Intro to Algorithms, Computational Linear Algebra, Intro to Learning and Behavior, Ethics in Computing

---

Skills

Languages - Python, Java, C++, C, Bash, OCaml, x86 asm, HTML/CSS, Rust

Packages - PyTorch, NumPy, MatPlotLib, TensorFlow, Pandas, scikit-learn, Tkinter

Collaboration - Git/Github, Asana, Atlassian Jira

Misc - Linux(Ubuntu, RHEL), Proxmox, vSphere, Foreman, Puppet, Artifactory, TeamDynamics, LaTeX

Projects

Sorting Algorithm Visualization - *Python, MatPlotLib, Markdown, Conda*
- Honed and perfected knowledge of sorting algorithms using Python
- Tested the real world effects of Big-O, worked around the constraints of hardware
- Improved knowledge of data visualization with MatPlotLib subplots

Hackathon Projects - *Python, Git, Flask, Django, MongoDB, Google Maps API,Pandas, MatPlotLib, React*
- Competed in Minnehack 2023, Carlson AGI Hackathon, UHackIowa, Winner at MadHacks 2023
- Learned Practical coding skills, time management with limited time, teamwork and collaboration
- Produced and presented finished products, marketed projects to judges and won

Personal Knowledge Base - *Markdown, Git, Documentation*
- Created a repository of notes and other useful information from Conda packaging to shell commands
- *Practiced having a clean git history and making readable and usable documentation*

Machine Learning and Cybersecurity Research - *Python, Pytorch, Pandas, MatPlotLib*
- Completed a machine learning research project using Pytorch
- Database from Kaggle, Data manipulation with Pandas, Data Visualization with MatPlotLib
- Fully published paper in the Minnetonka Research Journal (see github)

Experience

Student Operations Admin — Minneapolis, MN

UMN CSE-IT — *March 2023 - Current*

- Assisted in managing computer network for CS and engineering department
- Worked in datacenter maintaining, upgrading, and decommissioning servers
- Responded to tickets for software installation and machine configuration

Fitness Center Attendant — Saint Paul, MN

Exos — *June 2022 -September 2022*

- Assisted customer service and satisfaction tasks
- Completed tasks to keep the fitness center to a high level of cleanliness
- Worked both early and late hours when extra shifts opened up (5:15am)