

Evan Scamehorn

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Education

University of Wisconsin - Madison

Madison, WI

BS in Computer Science

Aug 2024 – May 2027

- GPA: 3.913
- Courses: Artificial Intelligence, Linear Algebra, Computer Graphics
- Certificates in Mathematics and Data Science

Experience

Software Engineer

Naperville, IL

Ruddervirt

May 2024 – Aug 2024

- Refactored product deployment infrastructure using Kubernetes.
- Designed secure virtual machine networking and deployment backend using Python.
- Integrated backend virtual machine platform with web development team.
- Developed custom virtual machine images using Packer and Ansible.
- Integrated Git with CI/CD pipeline for code versioning and deployment to AWS.

Software Engineer Intern

Naperville, IL

Eigenvector

May 2023 – Sept 2023

- Designed and implemented tooling to automate creation, conversion, and management of virtual machine images using Python and Bash.
- Refactored python codebase from using VirtualBox to Libvirt/KVM to create and run virtual machines.
- Presented design research and decisions and collaborated with a mentor.
- Tracked code versioning and deployment using Git.
- Developed and deployed on Ubuntu servers leveraging Terraform for AWS.

Projects

City Transit Simulator

Nov 2025 – present

A web application for modeling ridership of public transit networks

- Uses Open Street Map data of US cities processed using Python
- Interactively view city scapes in 3D using Three.js
- Plan, construct, and manage transit routes
- Simulate ridership and plan with simulated economy

Skills

Programming Languages: Proficient with Python, Bash, and Java

Programming Tools: Experience using PyTorch, Git, DevOps, Kubernetes, and Docker

Mathematics: Good understanding of calculus, linear algebra, statistics, and discrete math