

# Evan Scamehorn

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## Education

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### University of Wisconsin - Madison

*BS in Computer Science*

*Madison, WI*

*Aug 2024 – May 2028*

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

## Experience

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### Software Engineer

*Ruddervirt*

*Naperville, IL*

*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

*Eigenvector*

*Naperville, IL*

*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

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### 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

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**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