

# Rylan Turner

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## Education

### UNIVERSITY OF COLORADO

Boulder, CO

M.S. in Computer Science, Specialization in Artificial Intelligence GPA 4.00

Expected Aug 2026

Relevant Coursework: Dynamic programming, Supervised machine learning, Advanced data structures, Network systems.

### UNIVERSITY OF ILLINOIS

Urbana-Champaign, IL

B.S. in Mathematics & Computer Science GPA 3.72

May 2024

Relevant Coursework: Systems computing, Database systems, Distributed systems, Algorithms, Applied machine learning, Communication networks, Software engineering.

## Skills

Languages: C/C++, C#, Python, JavaScript, Java, SQL, OCaml.

Frameworks & tools: PyTorch, TensorFlow, React, Flask, .NET, AWS, MongoDB, Git, PowerShell, Agile.

## Experience

### SCHOLARSHIPS.COM

Highland Park, IL

*Full-Stack Software Engineer*

June 2024-Present

- Upgraded backend infrastructure for multiple products with ASP.NET and optimized dozens of SQL Server procedures resulting in 12% average latency reduction across sites.
- Redesigned outdated customer-facing products to React and improved page load times by as much as 30%, as well as overhauling the user experience to improve responsiveness and functionality.
- Developed thorough unit testing for new and existing backend infrastructure, discovering and improving upon multiple syntax and runtime errors as well as unoptimized functionality.

### GUEST RESEARCH GROUP – CEE@UIUC

Urbana-Champaign, IL

*Undergraduate Researcher*

May-Dec 2022

- Engineered automated Python program that updated PostgreSQL database based on real-time input from ongoing study measuring algae levels in Wisconsin lakes, as well as frequently taking input from research team to keep their best interests in mind.
- Designed and maintained multi-layered PostgreSQL server to sort and store lab data as it came, reducing data upload time by 85%.

### AMEREN

Urbana-Champaign, IL

*App Development Intern*

May-Sept 2021

- Supported application development projects for energy company's internal IT department, reducing manual workload for dozens of tasks.
- Utilized Python and Ansible for back-end infrastructure and server development in agile development environment over one-week sprints.

## Extracurricular

### MARCHING ILLINI

2020-2024

- Member of the Mellophone section in a 400-person marching band.
- Perform at football and basketball games as well as many frequent community events throughout Urbana-Champaign, rural Illinois, Chicagoland, and more.