

# Henry Olig

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## EDUCATION

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### University of Minnesota

*Bachelor of Science in Computer Science*

Minneapolis, MN

*Sept. 2021 – May 2025*

- Technical GPA: 3.7
- Relevant Coursework: Data Structures and Algorithms, Object Oriented and Function Programming, Software Engineering 1, Machine Architecture and Organization, Advanced Programming Principles, Discrete Mathematics, Computational Linear Algebra, Calculus I & II
- Clubs: Solar Vehicle Project, Association for Computing Machinery

## EXPERIENCE

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### Teacher's Assistant

*University of Minnesota*

Aug. 2023 - Present

*Minneapolis, MN*

- Hosted office hours to guide students towards success
- Graded student's code based on legibility, efficiency, and result
- Taught various programming concepts and rapidly read and debugged code in labs

### Software Engineering Intern

*Daikin Applied*

May 2023 – Present

*Plymouth, MN*

- Designed an Azure DevOps Pipeline to automatically test software updates upon pull request
- Configured multiple pipeline agents to perform specific jobs in tandem to improve efficiency
- Created scripts to automate uploading test results to web application
- Updated isolated web application to allow uploading and downloading of .zip packages containing test results
- Overhauled software to improve performance, and add necessary components for pipeline
- Added and updated documentation to pre-existing code to improve legibility and enforce code standardization

### Technology Support Agent

*University of Minnesota*

Oct. 2022 - May 2023

*Minneapolis, MN*

- Provided hardware and software support to students and faculty
- Delivered exceptional service through timely response and effective communication with inexperienced consumers
- Troubleshoot computer issues via desktop remote access and discussions with end-users
- Created, managed, and updated tickets that track user problems to enable faster and more optimized technical support

## PROJECTS

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### Olig.dev | *HTML, CSS, JavaScript, GitHub Pages*

June 2023 – Present

- Developed a front-end website designed to provide professional self-promotion
- Created animations to seamlessly transition between web pages
- Optimized website for desktop or mobile usage
- Styled website to create clean feel and uniform aesthetic

### LeetRepeat | *JavaScript, TypeScript, HTML, GitHub, Node.js, Mongoose, Puppeteer*

Aug. 2023 – Present

- Collaborated in the development of a full stack site to track and create LeetCode study plans
- Utilized Puppeteer to web scrape LeetCode data
- Implemented Mongoose database to store and access LeetCode problem and user data
- Deployed Chakra UI to create a professional and robust website style

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, JavaScript, TypeScript, HTML, CSS, x86 Assembly, OCaml, Racket

**Frameworks:** React, Node.js, Django, JUnit

**Developer Tools/Practices:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Azure DevOps, Continuous Integration/Continuous Deployment, WSL, Virtualization, Agile, Scrum

**Software:** Excel, Blender

**Libraries:** PyPlot, NumPy, Matplotlib, JavaFX, JavaDoc

**Hardware & Networking:** Machine architecture, Network Protocols/Configuration, Software agents, SSH