Henry Olig

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EDUCATION

University of Minnesota — Minneapolis, MN
Bachelor of Science in Computer Science — *Sept. 2021 – May 2025*
- Technical GPA: 3.7
- Relevant Coursework: Software Systems, Advanced Programming Principles, Discrete Mathematics, Computational Linear Algebra, Calculus I & II
- Clubs: Solar Vehicle Project, Association for Computing Machinery

EXPERIENCE

Teacher's Assistant — Aug. 2023 - Present
University of Minnesota — *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 — May 2023 – Present
Daikin Applied — *Plymouth, MN*
- Designed an Azure 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 — Oct. 2022 - May 2023
University of Minnesota — *Minneapolis, MN*
- Provided hardware and software support to students and faculty
- Delivered exceptional service through timely response and effective communication with inexperienced consumers
- Troubleshot 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

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

Languages: Java, Python, C, JavaScript, TypeScript, HTML, CSS, OCaml, Racket
Frameworks: React, Node.js, Django, JUnit
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Azure DevOps, CI/CD, WSL, Virtualization, Excel
Software: Excel, Blender
Libraries: PyPlot, NumPy, Matplotlib, JavaFX, JavaDoc
Hardware & Networking: Machine architecture, Network Protocols/Configuration, Software agents, SSH