

Jotter Cheat Sheet

Henry Olig Cheat Sheet

Contact Information:

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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:

- 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:

Teacher's Assistant, University of Minnesota, Minneapolis, MN

- Aug. 2023 - Present
- 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, Plymouth, MN

- May 2023 – Present

- Designed an Azure DevOps Pipeline to automatically test software updates upon pull request
- Configured multiple pipeline agents to improve efficiency
- Created scripts to automate uploading test results to web application
- Updated isolated web application to support 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 improve legibility and enforce code standardization

Technology Support Agent, University of Minnesota, Minneapolis, MN

- Oct. 2022 - May 2023
- Provided hardware and software support to students and faculty
- Delivered exceptional service through timely response and effective communication
- Troubleshoot computer issues via remote access and discussions with end-users
- Created, managed, and updated tickets to enable faster and more optimized technical support

Projects:

1. Olig.dev | HTML, CSS, JavaScript, GitHub Pages

- June 2023 – Present
- Developed a professional front-end website for self-promotion
- Created seamless web page transitions with animations
- Optimized website for desktop and mobile usage
- Styled website for clean feel and uniform aesthetic

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

- Aug. 2023 – Present
- Collaborated on a full stack site to track and create LeetCode study plans
- Utilized Puppeteer for web scraping LeetCode data
- Implemented Mongoose for database management
- Deployed Chakra UI for a professional and robust website style

Technical Skills:

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, CI/CD, WSL, Virtualization, Agile, Scrum

Software: Excel, Blender

Libraries: PyPlot, NumPy, Matplotlib, JavaFX, JavaDoc

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