

Jotter Cheat Sheet

Henry Olig Cheat Sheet:

Name: 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:
 - 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:

1. Teacher's Assistant

- Aug. 2023 - Present
- University of Minnesota, Minneapolis, MN
- Responsibilities:
 - 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

2. Software Engineering Intern

- May 2023 – Present
- Daikin Applied, Plymouth, MN
- Responsibilities:
 - 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 allow uploading and downloading of .zip packages containing test results
- Overhauled software to improve performance and add necessary components for the pipeline
- Added and updated documentation to pre-existing code to improve legibility and enforce code standardization

3. Technology Support Agent

- Oct. 2022 - May 2023
- University of Minnesota, Minneapolis, MN
- Responsibilities:
 - 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 users
 - Created, managed, and updated tickets to enable faster and optimized technical support

Projects:

1. Olig.dev (HTML, CSS, JavaScript, GitHub Pages)

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

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

- Aug. 2023 – Present
- Features:
 - Collaborated in the development of a full-stack site to track and create LeetCode study plans
 - Utilized Puppeteer to webscrape LeetCode data
 - Implemented Mongoose database for storing and accessing problem and user data
 - 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, 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