Oen McKinley

✉ m.oen@wustl.edu   📞 (507) 301-4203   🔗 oenmckinley.github.io   in LinkedIn   ⌗ oenmckinley

Education

MS   **Washington University in St. Louis**, Computer Science   Aug 2022 - May 2025

- **Coursework:** Research Design, User Studies, Data Visualization, LLMs, AI/ML, Statistics and Data Analysis (both quantitative and qualitative), Algorithmic Analysis, and Operating Systems
- **Research:** Working as a part of the Visual Interface and Behavior Exploration (VIBE) lab with Professor Alvitta Ottley. Research primarily focused on Data Visualization, specifically relating to user trust and design guidelines.

BA   **Grinnell College**, Computer Science & Political Science   Aug 2015 – May 2019

- **GPA:** 3.71/4.0
- **Coursework (CS):** Artificial Intelligence, Algorithmic Analysis, Data Types, Software Development, Object-Oriented Principles, Functional and Implicit Problem-Solving, and Computer Architecture
- **Coursework (Non-CS):** Political Science, Chinese, Mathematics and Statistics, Linguistics, Economics, Literature, Anthropolgy, and Music

Experience

Ease, Inc., Manager - Forms (prev. Software Engineer)   Omaha, NE   Jul 2019 – Dec 2022

- Managed and worked alongside the Forms Engineering team, automating processes and providing logic for mapping benefit enrollment, change, and government insurance forms for client organizations.
- Helped integrate client organizations to better suit their particular enrollment needs in the UI, forms, and backend.

Grinnell College, Computer Science Evening Tutor   Grinnell, IA   Jan 2018 - May 2019

- Held hours multiple times a week to help students in introductory Computer Science courses with any questions or problems that may arise from the material or assignments with their classes.

Concordia Language Villages: Sēn Lín Hú, Activities Coordinator (prev. Counseling Staff)   Callaway, MN   Jul 2014 - Aug 2017

- Worked at an overnight summer camp teaching students Chinese language and culture through language immersion.
- Duties varied, but included supervising students, leading activity classes, organizing students into activity classes, and managing activity classes and teachers.

Publications

Trustworthy by Design: The Viewer's Perspective on Trust in Data Visualization   Apr 2025

Oen McKinley, Saugat Pandey, Alvitta Ottley

10.1145/3706598.3713824 ↗

Exogenous and Endogenous Factors that Influence Subjective Trust in Visualization   Oct 2024

R. Jordan Crouser, Syrine Matoussi, Lan Kung, Saugat Pandey, **_Oen McKinley_**,
Alvitta Ottley

Do You Trust What You See? Toward A Multidimensional Measure of Trust in Visualization   Oct 2023
Saugat Pandey, **_Oen McKinley_**, Alvitta Ottley

Projects

CookMate   Website Prototype ↗
- Collaborated to develop a prototype for a meal prep software for college students as a user-centered design case study.   GitHub Repo ↗
                                                    Design Case Study ↗
- **Tools Used:** Figma, HTML, CSS, JavaScript

Skills

Programming Languages: Python, Java, C++, C#, JavaScript, HTML, CSS, PHP, Scheme, Swift, Ruby

Programming Tools: Visual Studio, Anaconda, .NET, Git, SQL

Other Tools: JIRA, Prolific, Qualtrics, LaTEX, Microsoft Office, LLMs

Natural Languages: English (Native), Mandarin Chinese (Working Proficiency), Vietnamese (Intermediate)

Soft Skills: Leadership, Adaptability, Problem Solving, Communication, Public Speaking, Attention to Detail