

Oen McKinley

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Education

- PhD Washington University in St. Louis**, Computer Science Aug 2022 - May 2027
(Expected)
- Working as a part of the Visual Interface and Behavior Exploration (VIBE) lab with Professor Alvitta Ottley.
 - **Research Topics:** Data Visualization, specifically relating to user trust and design guidelines.
 - **Coursework:** Research Design, User Studies, Data Visualization, LLMs, AI/ML, Statistics and Data Analysis (both quantitative and qualitative), Algorithmic Analysis, and Operating Systems
- 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, Anthropology, and Music

Publications

- Trustworthy by Design: The Viewer’s Perspective on Trust in Data Visualization** Apr 2025
Oen McKinley, Saugat Pandey, Alvitta Ottley
[10.1145/2531602.2531699](https://doi.org/10.1145/2531602.2531699) 🔗
- 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
[10.1109/VIS55277.2024.00069](https://doi.org/10.1109/VIS55277.2024.00069) 🔗
- Do You Trust What You See? Toward A Multidimensional Measure of Trust in Visualization** Oct 2023
Saugat Pandey, *Oen McKinley*, Alvitta Ottley
[10.1145/2531602.2531699](https://doi.org/10.1145/2531602.2531699) 🔗

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.

Projects

CookMate

- Collaborated to develop a prototype for a meal prep software for college students as a user-centered design case study.
- **Tools Used:** Figma, HTML, CSS, JavaScript

[Website Prototype](#) 
[GitHub Repo](#) 
[Design Case Study](#) 

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