JARED AMEN

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EDUCATION

University of Utah *GPA: 3.67, Graduated May 2022*

M.S. Computer Science — Emphasis Human-Centered Computing
B.S. Computer Science

Skills: Full-Stack Web Development, Data Analytics/Visualization, Natural Language Processing, Databases

Languages: **Python**, **JavaScript**, LaTeX, TypeScript, Java, C, C++, C#, Ruby

Technologies: Jupyter Notebook, Git, React, macOS, Windows, bash/zsh/Powershell, Angular, Ruby on Rails, Node.js, GraphQL, D3.js, Keras, Google Cloud Platform, AWS (S3, ECS), MongoDB

WORK EXPERIENCE

Software Engineering Intern, R&D, *Kantata (formerly Mavenlink)* *Summer 2022*

- Resolved ≈30 direct support requests for the administrator panel of Kantata's production application to allow new functionality to fetch and filter through millions of account logs, manage custom subdomains, and perform bulk actions on thousands of accounts.
- Wrote 10 pages of detailed, step-by-step in-house documentation for Kantata engineers to use in making configurable tables using their own data provided via GraphQL, lowering the time to create these tables to a scale of ≈1 business day.

Project Lead, *Civil Media* *Oct 2020 - Sep 2021*

- Led a team of three to design a website with structured, balanced, interactive modules on controversial topics, used by K-12 educators across the US to improve lesson plans on these topics.
- Designed an AGILE approach to project management, which improved time engagement as recorded by Jira by ≈5 hours per member per week.

Software Engineering Intern, *Instructure* *Summer 2020*

- Used A11y guidelines to provide screen readers compatible with JAWS and VoiceOver for Canvas, an LMS used by 4,000 institutions across the world.
- Developed a new rich-content editor powered by TinyMCE, using in-house plugins written in Ruby on Rails and React for media uploading, allowing for existing database setups to remain.

NOTABLE PROJECTS

Style Transfer Workbench, *Team of 3* *Dec 2021*

- Developed a machine learning workbench prototype for visually interpreting and exploring activation values in the style transfer problem using SqueezeNet Neural Network Architecture
- Specialized in user interface, utilizing Streamlit and Google Colab to provide a clean user experience superpowered by GPUs making the style transfer process tractable.

Bank Document Verifier, *Team of 3, 2nd place out of ≈40 teams* *Sep 2020 - May 2021*

- Created a web program in collaboration with Enerbank USA for the automatic detection of fraud in applications for loans from financial institutions
- Specialized in a comprehensive user management panel for administrators of the program, and created broad security protocols that fit Enerbank's requirements, reducing the cost-of-use by ≈75% by only issuing API calls when necessary

References upon request