JARED AMEN

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EDUCATION

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

Bachelor's & Master's in Computer Science – Human-Centered Computing Emphasis

Teaching Assistant (2021-2022), Vice President of Triangle Engineering Fraternity (2021-2022)

Skills: Algorithms, **Data Structures**, Human-Computer Interaction, Deep Learning, Natural Language Processing, Databases, Data Analytics, Large-Scale Software Applications, Object-Oriented Design

Languages: Python (preferred), **TypeScript/JavaScript** (preferred), Java, C, LaTeX, C++, C#, Ruby

Technologies: Git, React, Ubuntu, 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)* *May 2022 - Current*

- Utilize GraphQL, Ruby on Rails, and React to develop features for an administrator panel according to support requests.
- Specialize in developing in-house tables (with filters, configurable columns, and export capability), giving the support team the ability to filter through millions of account logs quickly and with ease.
- Write detailed, step-by-step in-house documentation for Kantata engineers to use in making configurable tables of their own.

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

- Lead 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.
- Design and improve upon 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 Canvas* *Summer 2020*

- Improved existing features for Canvas, an LMS used by 4,000 institutions across the world, including accessibility configurations for disabled users (A11y) and assignment/module features.
- Assisted in the development of an overhauled rich-content editor powered by TinyMCE, using custom plugins for features, such as media uploads, where necessary.

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