JUSTIN MASAYDA

AI Software Engineer

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EDUCATION

Certified Full Stack Software Engineer, Machine Learning & AI Specialization
Holberton School (Jan 2021 – Oct 2022)

TECHNOLOGIES

Proficient with **Python** (Django, Flask, TensorFlow/Keras), **TypeScript & JavaScript** (SolidJS, D3, JQuery), **C++, C#** (ASP.NET)**, SQL Server, HTML, CSS, Git/GitHub, Docker, Bash, Ubuntu, VSCode**
Additional experience with **Azure, GraphQL, Deno, Dart & Flutter, PostgreSQL, Nginx, Node.js,**and others

WORK EXPERIENCE

Software Developer - *Realized Solutions, Inc. Southington, CT* (2023–Present)
Developed systems including APIs, websites, and desktop applications according to business requirements. Revitalized legacy code with architectural, readability, and efficiency improvements. Continuously trained in new systems and technologies to efficiently deliver high-quality solutions.

Freelance App Developer - *Independent contractor, Bristol, CT* (2023)
Designed and developed a cross-platform mobile application for client, catering to their specific business needs. Delivered multiple stages of development in accordance with product specifications and project timeline. Collaborated closely with client to gather requirements, provide regular updates, and ensure satisfaction with results.

Piano Instructor - *Multiple studios, central CT* (2016–2021)
Prepared over 50 of students of all ages for performances, delivering regular progress updates to students and parents. Developed curriculum tailored to students to instill a comprehensive musical skillset. Managed lesson planning and scheduling. Routinely utilized clear communication, patience, constructive feedback, and self-management skills.

SUCCESS STORIES

- Lead team in implementing Azure Pipelines into development workflow, significantly reducing QA deployment time and increasing build consistency.
- Took initiative in keeping wiki current and comprehensive, minimizing system maintenance time while preventing repeat issues.
- Spearheaded efforts to enhance web security and to comply with modern security standards across all clients' sites. Improvements included enforcing HTTPS redirection, serving HSTS headers, and implementing TLS 1.3.

PROJECTS

MockingBot | Capstone project | A GAN trained to generate unique audio samples similar to the training data. Project included model design, feature engineering, data transformation, and inference analysis.
-Python, TensorFlow, Keras

Image Classifier | School project | A convolutional neural network trained on the MNIST dataset. Composed the full model using Keras after manually implementing convolutional layers with NumPy.
-Python, TensorFlow, Keras

Machine Translator | School project | A transformer-based AI translation model. *-Python, TensorFlow, Keras*

Hbnb | School project | An Airbnb clone. Developed across the stack. Demo at hbnb.fly.dev.
-Python, Flask, MySQL, JQuery, Nginx

Holberton File Downloader | Personal project | A cross-browser web extension which initialized school projects by scraping the school intranet for file names, creating and downloading them. It continues to service a multitude of weekly users and enjoys a 5-star rating with over 250 total installs.
-JavaScript, HTML, CSS

Simple Shell | School project | A clone of the Dash command line shell. Implemented in C without the use of external libraries.
-C, Linux syscalls