Shane K. Davis

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Education

Study Abroad (Japan) learning Japanese: 2023-2025 - KCP International Language School
Intended to finish in March 2025 with JLPT N2

Master's Degree (Computer Science - Accelerated BS to MS): 2022-2023 - University of Central Florida
GPA 3.95 - graduated Summa Cum Laude

Bachelor's Degree (Computer Science - Accelerated BS to MS): 2020-2022 - University of Central Florida
GPA 3.99 - graduated Summa Cum Laude

Associates of Arts (AA) Degree: 2018-2020 - Valencia Community College
GPA 4.0 - graduated Summa Cum Laude

High School Diploma: 2016-2020 - University High School - GT program
GPA 3.9 - graduated Summa Cum Laude

Technical Skills

- Fluent in the following programming languages: Python (TensorFlow, PyTorch, Keras, Sci-kit Learn, Regex), C, Javascript (React, React Native), Typescript, Java, AutoHotkey, Matlab
- Advanced user in Microsoft Azure, Word, Excel, PowerPoint, and Adobe PDF.
- Deep understanding of topics such as Computer Algorithms, Artificial Intelligence, Computer Vision, Natural Language Processing.
  - Developed novel concepts in the Diffusion Model field for generating images with multiple user provided subjects (research paper available; see portfolio website for more details).
- Familiar with working in the Agile (and similar) development processes along with using Git tools such as GitHub for managing codebases.
- Experience with prototyping and 3D printing projects using CAD software such as Fusion 360.

Work Experience

Shane Davis Inc. (my company): 2020 - Present
- Software Development
  - Created multiple programs with Python/AutoHotkey to process PDF documents to extract data and output to accessible formats.
  - Built a WYSIWYG GUI interface for processing PDFs.
  - Developed and deployed a scalable file processing API within Azure for customers to send PDF documents to be processed into an accessible format (~10,000 files a day).
- IT Work
  - Sub-contractor for a charter school responsible for deployment of over 100 laptops.
  - Laptop deployment included but not limited to imaging laptops, wiring laptop carts, and creating user profiles for the students.
- System Administration
  - Set up a network for an office, performed duties such as punching down ethernet cables, setting up switches/servers (SonicWall and Meraki)/firewalls.
  - System administrator for United States Braille including management of Azure.