

William Kieffer

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Education

Stanford University | Stanford, CA

May 2019 – Aug 2019

Columbia College, Columbia University | New York, NY

Sep 2020 – May 2024

Rising senior majoring in computer science and mathematics with a concentration in economics.

Relevant Courses

- | | | |
|--|---|---------------------------|
| - Data Structures (Java) | - Advanced Programing (C language family) | - Artificial Intelligence |
| - Natural Language Processing (Python) | - Machine Learning | |

Experience

Software Development Intern | Visionair (New York, NY)

Mar 2023 – Current

Designed and built a website and user experience from the ground up for the MVP of an early-stage computer vision startup designed to recognize and act on acts of violence observed through security feed.

- Developed and maintained a responsive web application on AWS, including a RESTful API with SQLite.

Software Development Intern | echo3D (New York, NY)

Jan 2023 – Current

Assist in the development, design, and execution of a cross-platform, real-time cloud engine with geolocation support for 3D/AR/VR/Metaverse projects.

- Mastered skills including the Unity3D engine (VR and AR frameworks) and C# for scripting.
- Designed an application to view and manipulate three-dimensional functions in AR using a mobile device.
- Programmed a python application to parse functions and export three-dimensional models for cloud upload.

Administrative Assistant | Columbia University (New York, NY)

Sep 2021 – Current

Support and manage student programs and faculty seminars hosted by the economics department, as well as assisting with department financial flow.

- Coordinated 12 weekly seminars and colloquiums for adjunct and visiting faculty members and students.
- Oversaw 8 student, faculty, and staff breakfast and lunch program events with over 20 attendees each.
- Created Excel scripting to automate department finances and cut down reconciliation errors by 90%.

Research Assistant | Columbia University, Corter Lab (New York, NY)

Mar 2021 – Jul 2021

Audio file transcription and categorization in spreadsheets to be used for ML model attempting to understand the effect of non-productive speech on learning.

- Choose categories and sorted/cleaned over 1000 lines of raw speech data in Excel and Access.
- Developed a natural language processing program using Python to process similarity between utterances.

Web Designer and Developer | Freelance Developer (Chillicothe, MO)

Jan 2018 – Aug 2020

Designed and developed a customized website to replace previous outdated versions for three local businesses.

- Constructed websites using HTML, CSS, and JavaScript, locating hosting services and other specific needs.
- Dealt directly and independently with clients to ensure that needs and preferences of the business were met.

Skills

Languages – Python (pandas, NumPy, etc.), Java, C#, C++, Swift, HTML5, CSS3, JavaScript (ES6), R, SQL, Microsoft VBA, XML, React – **Tools** – Visual Studio, Jupyter Notebook, Unity, Spyder, Conda, Docker, Excel and Access, TensorFlow, Google Cloud Platform, Amazon Web Service, Git, Node.js, Tableau

Extracurricular

Activities – Volunteer for NY Cares | CU Effective Altruism | LGBTQ+ in STEM | CU Application Developer Initiative

Interests – Biking/Exercise | Traveling | Artificial Intelligence | Food | Everything, Everywhere, all at Once (2022)

willkieffer.github.io