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

Experience

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.
- Expanded on skills including the Unity3D engine (VR and AR frameworks) and C# for scripting.
- Built an application to view and manipulate three-dimensional functions in AR using a mobile device.
- Created 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.
- Managed 8 student, faculty, and staff breakfast and lunch program events with over 20 attendees each.
- Utilized 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.
- Decided on categories before sorting and cleaning 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Designed and developed a customized website to replace previous outdated versions for three local businesses.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.

Accountant Assistant | Lockridge & Constant Accounting Firm (Chillicothe, MO)   Jan 2018 – Apr 2020
Assisted with client information filing and processing tax returns.

Skills

Languages – Python, Java, C#, C++, Swift, HTML/CSS, JavaScript, R, SQL, Microsoft VBA, XML
Software – Visual Studio, Jupyter Notebook, Unity, Spyder, Microsoft Excel and Access, Google Suite, Git
Data analysis – Python, Tableau, Access, and R

Extracurricular

Activities – Volunteer for New York Cares | CU Effective Altruism Fellowship | CU Democrats | LGBTQ+ in STEM Alliance | CU Application Developer Initiative Participant
Interests – Biking/Exercise | Traveling | Artificial Intelligence | Food | Everything, Everywhere, all at Once (2022)