

Kevin Wu

kevin@kevinniuwu.com | 317-701-8424 | github.com/Exaphis | linkedin.com/in/kevww

Education

Purdue University

B.S. in Computer Science Honors

B.S. in Mathematics

Aug. 2019 – Dec. 2022

GPA: 4.00

Dean's List + Semester Honors all semesters

Skills

Languages: Python, C, C++, Java, JavaScript

Tools/Frameworks: Git, HTML/CSS, Django, React, Linux

Experience

Two Sigma

Incoming Software Engineer Intern

New York, NY

Starting May 2022

- Incoming intern for the Summer 2022 term

Citrix

Software Engineer Intern, App Layering

Burlington, MA (Remote)

May 2021 – Aug. 2021

- Developed a Windows Shell extension using C++ to show files that are only on a user's writable layer
- Improved file list times by 20% for Citrix's app layer viewer using lazy loading
- Refactored the registry initialization routine in the Citrix Composite File System driver, reducing it from 1000 lines of code to 300

Google Summer of Code (Debian)

Student Developer

Remote

May 2020 – Aug. 2020

- Developed and tested Crossgrader, a package to switch the CPU architecture of a Debian installation
- Reduced cross-grade times from 6+ hours to 30 minutes using libapt's Python interface
- Currently maintaining Crossgrader in the Debian package archive

Projects

HackQ-Trivia | Python, Natural language processing

Feb. 2018 – May 2021

- Developed a bot that answers HQ Trivia's questions during live shows in real time
- Reverse-engineered HQ's client-server communication to receive questions
- Utilized Python's Natural Language Toolkit to analyze search results and determine most likely answer
- Improved question answering speed by 3x using asynchronous HTTP requests

Tsunami | C, C++, Windows Driver Kit

Nov. 2018 – May 2020

- Built a Windows kernel driver that covertly reads and writes a process's memory
- Developed a proof-of-concept wallhack using Tsunami for the first-person shooter game Overwatch
- Implemented discardable section hijacking and page table entry remapping to evade anti-cheat detection

Achievements

- **Boilermake IX** (Hackathon) – Best Agricultural Innovation Award Jan. 2022
- **Purdue Corporate Partner Scholarship** Apr. 2021
- **AMCS Spring Coding Challenge** – 1st place Feb. 2020
- **American Computer Science League All-Star Contest** – 1st place, Senior-3 Division May 2019
- **Purdue ACM Coding Competition** – 1st place Apr. 2019