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# KEVIN WU

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## EDUCATION

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### Purdue University

B.S. in Computer Science

Aug 2019 – Dec 2022

GPA: 4.00

**Technical skills:** Python (6yrs), Java (3yrs), C (2yrs), Git, Linux CLI, Unity

## EXPERIENCE

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### Citrix

Incoming Software Engineer Intern

May 2021 – Aug 2021

Burlington, MA

### Google Summer of Code – Debian

Student Developer – Architecture Cross-Grading Support

May 2020 – Aug 2020

- Developed, tested, and released a tool to switch the architecture of a Debian installation
- Decreased cross-grade times from 6+ hours to 30 minutes with Python interface for libapt
- Presented final product at DebConf 2020

## PERSONAL PROJECTS

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### HackQ-Trivia

Detect and answer HQ Trivia questions using natural language processing

Feb 2018 – Present

- Reverse engineered HQ's app to retrieve questions over WebSockets
- Utilized **Python's** Natural Language Toolkit to parse web searches and determine most likely answer
- Improved performance of web scraping system by 2x using asynchronous HTTP requests

### Tsunami

Modify a process' memory from kernel space with a Windows driver

Nov 2018 – Sep 2019

- Implemented manual mapping and PTE remapping techniques to evade detection
- Created system in **C** to communicate read/write requests from user space using shared memory and named events
- Used Tsunami to develop a proof-of-concept aimbot and wallhack for the first-person shooter game Overwatch

### Nyne

Cooperative iOS rhythm game

Jul 2018 – Aug 2018

- Designed and implemented Conductor system in **C#** to precisely control timing of notes
- Collaborated with 3 other artists and developers using Perforce and Unity Teams
- Published on the iOS App Store for iPad

## ACHIEVEMENTS

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- **AMCS Spring Coding Challenge** – 1st place Feb 2020
- **American Computer Science League** – 1st place, Senior-3 division May 2019
- **Purdue ACM High School Coding Competition** – 1st place Apr 2019