

Cole Harper

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EDUCATION

University of Texas at Austin - B.S. in Computer Science

MAY 2023

- Coursework: Java Programming, Calculus I & II
- Current Coursework: Data Structures, Discrete Math, Linear Algebra
- Cumulative GPA: 3.82

SKILLS

Proficient in: **Java**

Familiar with: **Python, Git, HTML, Linux**

Exposure to: **CSS, React Native, Javascript**

EXPERIENCE

Code Ninjas — *Code Sensei*

JUNE 2018 - AUGUST 2019

- Taught children (aged 7 - 14) on topics such as the basics of Introductory Computer Science and the importance of technological literacy.
- Worked directly with 20+ children a week to teach them topics such as variables, loops, and conditionals.
- Led topic-specific camps for 15-30 children over concepts such as scripting in Roblox using Lua and JavaScript

PROJECTS

True Colors — *HACKTX*

PIMCO Challenge for Best Sustainability Hack - 2nd place

NOVEMBER 2019

- Created a **React Native** app that would scan product barcodes and display the manufacturer ESG score
- Helps consumers make purchasing decisions ethical in stores by showing ESG scores of parent companies
- Contributed to backend by creating a database using **node.js** and **SQLite**

Collision Vision — *TAMUHACK*

JANUARY 2020

- Created on a web app that identifies problematic traffic intersections by training a **Microsoft Azure Cognitive Service** model on safe and unsafe traffic intersections from satellite images sourced from a database on traffic accidents and then displayed using Google Maps API.
- Designed for both consumers looking to find the safest way to their destination, as well as industry users looking to create and improve problematic intersections and design safer intersections for the future.
- Written in **Python, HTML5, CSS, Javascript**

COMMUNITY AND LEADERSHIP

Texas Association of Computing Machinery — *Vice President of Human Resources*

AUGUST 2019 - PRESENT

- Plan and organize ACM's **Mentorship program** designed to welcome incoming undergraduates into UT CS and ACM by pairing them with an upperclassman, Mentor.
- Maintain ACM Bylaws and Code of Conduct within ACM spaces to provide an inclusive and welcoming atmosphere for all.
- Revamped and rewrote ambiguous election bylaws, passed with unanimous officer support

Member of Competitive Computer Science Team (WaitListers)

- Travels to various Hackathons across the country