

Jason Hirsch

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Website: jason-hirsch.github.io | Github: [jason-hirsch](https://github.com/jason-hirsch) | LinkedIn: [jason-t-hirsch](https://www.linkedin.com/in/jason-t-hirsch)
C++ • Python • JavaScript • Java • C • HTML • CSS

EDUCATION

TEXAS A&M UNIVERSITY

COMPUTER SCIENCE MAJOR

Will Graduate May 2024 | College Station, TX

GPA: Freshman so N/A

Relevant Courses: Data Structures and Algorithms, Linear Algebra, Discrete Math

TEXAS ACADEMY OF MATH AND SCIENCE (HIGH SCHOOL)

COMPUTER SCIENCE TRACK

Graduated May 2020 | Denton, TX

GPA: 3.96 / 4.0

Relevant Courses: Computer Science I, Computer Science II, Computing Foundations I

PROJECTS

TETRIS AND TETRIS AI | JAVASCRIPT August 2020

- Utilized the depth-first search algorithm to find the best possible moves for the AI
- Decreased execution time of the AI by over 600% by implementing a hash set to prevent executing duplicate operations

DLL INJECTOR | C++ December 2019

- Studied how a DLL (dynamic-link library) is loaded within an application in order to program a DLL injector
- Designed and implemented a graphical user interface using the Qt framework

EXPERIENCE

CONNECTED AUTONOMOUS VEHICLES LAB | UNDERGRADUATE RESEARCHER

Jan 2019 – May 2020 | Denton, TX

- Accelerated the throughput for MQTT by 0.85 Mbps and Wget by 0.9 Mbps by implementing the use of an Edge Node
- Co-authored a paper presenting the team's research which has been featured by [AutonomouStuff](#) and [HotEdge](#)

SKILLS

TECHNICAL SKILLS

Proficient: C++

Experienced: Python • JavaScript • Java • C

Familiar: HTML • CSS

Data Structures • Algorithms • Git • GitHub • Visual Studio • Windows 10 • Qt • Microsoft Word • Microsoft Excel

SOFT SKILLS

Leadership • Public Speaking • Problem Solving • Teamwork • Attention to detail • Creativity

AWARDS

- 2020 First Year Participant in the [HowdyHack Hackathon](#)
- 2020 Selected as a Brockman Scholar for a competitive scholarship awarded to only 50 out of hundreds of applicants
- 2018 Achieved a Perfect ACT Score
- 2018 Qualified for the UIL Calculator State Competition
- 2017 Placed 4th in Computer Science at the UIL District Championship

VOLUNTEERING

INTELLICHOICE MATH TUTOR | TUTOR

September 2018 – May 2020 | Denton, TX

- Tutored underprivileged children in math at the local library with the [Intellichoice](#) organization

ELM FORK EDUCATION CENTER LEADER | GROUP LEADER

March 2019 – May 2020 | Denton, TX

- Lead students during their field trips to learn about environmental science