

# Tianqi Zhang, Matthew

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<https://github.com/zhangtia>

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## Education

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### University of Michigan, Ann Arbor, MI

GPA : 3.4 / 4.0

Class of 2021

- Bachelor of Arts in Electrical Engineering and Computer Science
- Minor in Material Science and Engineering

#### Relevant Coursework:

Intro to Operating Systems; Database Management Systems; Data Structures and Algorithms; Computer Organization;

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## Relevant Experiences

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### Data Engineer, Intern

Apr 2019 — Sept 2019

Star Charge, Wanbang New Energy Investment Group Co Ltd • Jiangsu, China

- Retrieved and analyzed data of competing apps, such as which cities had the highest daily average users and highest growth rates, to increase our user count and growth.
- Researched the blockchain database CovenantSQL for possible enterprise usage, in addition to MongoDB etc.
- Scribed and translated video meetings with a German company who were looking to work together.
- Achieved a peak daily average user of 60,000 during the end of august on the app.

### Controls Team Programmer

Aug 2018 — Apr 2019

University of Michigan Intelligent Ground Vehicles

- Wrote path-finding algorithm with input from robot's LiDAR to compute path to travel along a white line.
- Simulated and tested robot and its algorithm using modeling in Linux ROS software.
- Robot participated in the 27th Intelligent Ground Vehicle Competition, robot got 7th place in design group.

### Team BlueBus, First Place in 2019 Makeathon

Feb 2019 — Feb 2019

University of Michigan Makeathon 2019 — Alexa Voice Tech Competition

- Developed an Alexa app that helps plan the commute of University of Michigan students who uses the bus system.
- App uses Google Maps API and the University of Michigan's logistics and transportation website, takes in current location and audio input of the user's destination to recommend an optimal route.
- Worked with John Dixon from Amazon to publish a Medium article regarding Alexa app development after the competition.

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## Campus Involvement

- Breakdancer on Element One dance club
- Midfielder on CSSA soccer team

Sept 2019 — Present

Sept 2018 — Present

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## Technical Skills

Tools:	Xcode, IntelliJ IDEA, Spring, Maven, Sublime
Database Management:	MySQL, MongoDB
Languages:	C++, Java, C, Python, SQL, JavaScript, HTML, x86
Cloud-Based Technology:	Docker, AWS

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## Other Skills

Languages:	English, Mandarin
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