

Alexander Tekle

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Education

University of Texas at Austin **B.Sc : Computer Engineering & Mathematics**

Expected Graduation: May 2021

- Courses: Data Structures, Algorithms, Embedded Systems, Digital Logic Design, Linear Systems and Signals, Intro to Blockchain

Skills

Languages: Java | JavaScript | C | **Technologies:** Git | Android | HTML/CSS | Bootstrap

Professional Experience

Software Engineering Intern **Google**

May 2019 - Present

- Decreased **latency** of serving ads by implementing asynchronous read/write models
- Implemented **algorithms** to increase speed of publisher video congestion for advertisements

Engineering Practicum Intern **Google**

May 2018 - Present

- Rehailed the children **sign in/sign up** flow UI on iOS, Android & web for Google Families
- Worked with UX researchers & designers to create **UI** components for **View API**, a Google FE technology
- Developed new **models** and features to **parse** and interact with children and parent **data**

Projects

Robot Car **Arduino - Class Project (2018)**

- Used **Arduino, IR Sensors, Photoresistors, LEDs, motors**, and other hardware components to create a robot car that maneuvered based on its surroundings

BTCWatch **Android Application - Personal Project (2017)**

- Developed **Android** app that lets users follow news, **Bitcoin** price ticker, and view price/volume charts

Volunteering and Activities

Texas Civic Tech Project **Founder and President**

May 2018 - Present

- Founded a organization at UT that provides **technical support** to **nonprofits** in Austin
- Establish **volunteer** opportunities such as teaching children to code, assisting the homeless population with applying for jobs, and helping the elderly use the computer.

Student Engineering Council **Director**

April 2019 - Present

- Manage and oversee the **Cockrell School Cares** (CSC) committee, a group of 40 high achieving engineering students that making the engineering school more inclusive
- Host the yearly CSC campaign, a two-week long program with workshops discussing **diversity** and **mental health**
- Work with **faculty** to make the classroom environment more sympathetic to **student well-being**

National Society of Black Engineers **Professional Development Chair**

May 2019 - Present

- Host events to assist NSBE students with **professional development** e.g. networking mixers with companies, resume review workshops, technical interview preparation

MLT Career Prep Fellow \ Ron Brown Scholar \ Goldman Sachs Scholar \ UNCF STEM Scholar \ GE-Reagan Scholar \ UT Austin Terry Scholar \ 1540 SAT \ Texas Blazers Member \ HackDFW Commended Award \ FIRST Robotics Qualifier