# Matthew Chang

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| **OBJECTIVE** | I am seeking a challenging computer/data science-related internship for the summer of 2023. |

**EDUCATION**

**Bachelor of Science in Computer Science**, Texas A&M University — May 2023
Minor in Business Administration, Engineering Honors, GPA: 3.897
Master of Science in Computer Science — May 2024

**EXPERIENCE**

**Midcontinent Independent System Operator,** Eagan, MN — May - Aug 2022
*Operations Modeling Intern*
- Automate the mapping process between two different models of the electronic grid to save employees time in manually reconciling these databases
- Test front-end PL/SQL validations to ensure database quality from user inputs

**Dimensional Solutions,** Katy, TX — May - Jul 2021
*Software Development Intern*
- Ensure code quality through creation of automated unit tests for a C# application for Civil Engineers
- Use Agile Scrum, Visual Studio, and Azure DevOps to collaborate with other developers and contribute to software development

**Undergraduate Research Scholars**, College Station, TX — Aug 2022 - present
*Student Researcher*
- Train and evaluate machine learning models for music genre recognition
- Publicly present thesis and contribute to a knowledge repository

**Entrepreneurship** — 2015 – present
*Instagram Influencer*, 2015 - present
- Analyze 43k+ followers' daily activity trends to maximize follower engagement
- Negotiate ads and giveaways based on followers' demographics to attract following and strengthen relationships with other brands

**Projects** (Python, HTML, CSS) — Mar 2020 - present
- Created a Python app which connects to the Instagram API and provides useful Instagram account statistics on a Tkinter GUI for business account users
- Wrote HTML and CSS for personal website to showcase accomplishments: people.tamu.edu/~matthewchang

**LEADERSHIP**

**Corps of Cadets - Squadron 17,** College Station, TX — Aug 2019 - present
*Service Officer*, 2022-2023
- Lead a chain of command in charge of coordinating weekly service events with local initiatives such as Habitat for Humanity, Adopt-a-Highway, and the Bridge Ministries

*Platoon Leader*, 2022-2023
- Motivate and manage a chain of command of 15 cadets to pursue professional and military goals to achieve individual and organizational growth

*Chaplain*, 2021-2022
- Facilitate a mentorship and Bible study program for cadets within Squadron 17

*Head Scholastics Corporal,* 2020 - 2021
- Track GPA and course grades throughout the year for 63 cadets and identify and provide resources to cadets who need additional academic help

**COURSEWORK & SKILLS**

Statistics, Analysis of Algorithms, Computer Organization, Technical Communications, Management, Finance, Marketing, Multivariable Calculus, Differential Equations, Linear Algebra, Python, HTML/CSS, C++, Java, C#, Agile Scrum, Visual Studio, *Fall 2022: Machine Learning, Database Systems, Cloud Computing*

**ACTIVITIES**

**Hobbies**: hiking, photography, guitar, running, intramural sports, triathlons
**Other Involvements**: Aggie Data Science Club, Impact Retreat, Declaration Church, Songfest, Five For Yell Campaign, Student Mobilization
**Other Jobs**: Chick-fil-A Associate, FLEET First Swim Instructor, Front Desk Attendant (current)