

Matthew Coming NOT FOR PUBLIC NOT FOR PUBLIC

Dallas, Texas

MatthewComing.com

MatthewComing@gmail.com

+1 (979) 240-1776

EDUCATION

Texas A&M, College of Engineering

Bachelor of Science in Computer Science; GPA: 3.7

Minor in CyberSecurity; Graduating May 2021

College Station, Texas

Aug 2017 – Present

SKILLS

- **Languages:** C++, C#, JavaScript, Java, Bash
- **Software:** Docker, VMWare, VirtualBox, ffmpeg
- **Collaboration:** Git, Jira, Confluence, Agile Software Development
- **IDEs:** Vim, Visual Studio, XCode, Jupyter Notebook
- **Operating Systems and Technologies:** Linux, Cloudfront, Elastic Beanstalk, S3, Route 53

EMPLOYMENT HISTORY

Emergent Space Technologies

Software Engineer

Austin, Texas

June 2021 – Present

L3Harris Technologies

Co-op Software Engineer

Mission Integration Division, Greenville, Texas

3 terms, 11 Months

- Member of a team responsible for maintaining, refactoring, developing, and documenting software for the internal research and development of intelligence and reconnaissance systems, namely mission management software.
- **JavaScript and React:** Designed and wrote ReactJS UI components that communicated with a backend message bus through Google Protobuf messages.
- **C# and WinForms:** Designed and wrote application code to expand the capabilities of L3Harris ViewPoint.
- **Security:** Used Fortify static code analysis to triage and fix security defects in a legacy code base.
- **GIS:** Worked extensively with CesiumJS, an open source JavaScript library for creating 3D globes and maps, and ESRI ArcMap.

PROJECTS AND INTERESTS

- **Real-time Computer Vision:** Using ffmpeg and OpenCV to find and dynamically crop faces from streamed video.
- **OpenGL, ThreeJS:** Pursuing the creation of algorithmic art and animation in shader languages.
- **AWS:** Experimenting with different Amazon Web Services for small projects. Hosting MatthewComing.com using S3, Cloudfront, and Route 53.
- **Relevant Coursework:** Software Engineering, Software Security, Computer Graphics, Operating Systems, Machine Learning, Artificial Intelligence

ORGANIZATIONS AND CLUBS

- *TAMU AutoDrive Challenge Team - Member* *Spring 2021*
 - Real-time HD Map Verification – Using the Robot Operating System(ROS), React, CesiumJS, and Electron, this team created a system that allows a user to verify the correctness of a high definition map during the maneuvering of a self-driving car.
- *TAMU CyberSecurity Club - Member* *Fall 2018, Spring 2019*
- *TAMU BUILD - Student Supervisor* *Fall 2018, Spring 2019*
 - BUILD is a student run organization at Texas A&M University that transforms shipping containers into medical clinics and classrooms that are sent all around the world. The role of a Student Supervisor is to guide the work and oversee the safety of the hundreds of volunteers each semester.

HONORS AND CERTIFICATION

- *Texas A&M University Dean's Honor Award* *Fall 2017, Fall 2018, Spring 2020*
- *Texas A&M University Distinguished Student Award* *Spring 2018, Spring 2019*