# Matthew Coming

Dallas, Texas

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## Education

**Texas A&M, College of Engineering** — College Station, Texas

- *Bachelor of Science in Computer Science; GPA: 3.7* — *Aug 2017 – Present*
  *Minor in CyberSecurity; Graduating May 2021*

## 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

- **L3Harris Technologies** — Mission Integration Division, Greenville, Texas
  *Co–op Software Engineer [Active Secret Clearance]* — *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 by creating interesting animation or photos based off of real world data inputs.
- **AWS**: Experimenting with different Amazon Web Services for small projects. Hosting MatthewComing.com using S3, Cloudfront, and Route 53. Created a small Elastic Beanstalk hosted calculator using API Gateway and Lambda.

## Organizations and Clubs

- *TAMU AutoDrive Challenge Team - Member* — *Spring 2021*
  - Real-time HD Map Verification – Using the Robot Operating System(ROS) and rqt, a C++ qt-based framework for GUI development, 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*