# Albin "Kyle" Myscich

4306 Buena Vista Lane, McKinney, TX 75070 | 469-301-5877 | AKMyscich@hotmail.com


## Objective

*A challenging computer science position that will provide an opportunity to apply software engineering and management skills to the pursuit of innovative solutions.*

## EDUCATION

**Texas A&M University**, College Station, TX — Expected Graduation May 2021

***Bachelor of Science: Computer Science, Information and Intelligent Systems Emphasis, Honors Track*** ***GPA: 3.86/4.00***

***Bachelor of Science: Electrical Engineering, Digital Systems Emphasis, Honors Track***

***Minors: Mathematics & Cybersecurity***

***Honors/Awards:*** Dean's List, Engineering Honors, Engineering Club President, Final MCJROTC Ranking: Gunnery Sergeant

***Relevant Coursework:*** Data Structures & Algorithms, Embedded Systems Security, Software Engineering, Computer Systems, Computer Organization, Differential Equations, Principles of Statistics

## WORK EXPERIENCE

**ezLocator,** Garland, TX — May 2019 – Present

*Software Developer and Product Designer/Fabrication*

- Utilized C++/CLI and C# to develop interactive golf green statistical analysis and point cloud modeling software.
- Innovated point cloud scanner technology with 3D printed reference targets for job-specific sites.

**Mu Labs**, McKinney, TX — May 2015 – Present

*Founder and Product Designer/Fabrication*

- Self-employed 3D design, printing, milling, and fabrication using Fusion 360, Eagle, and Prusa 3D printing slicer.

**Park Cities Aesthetics**, Dallas, TX — June 2011 – August 2018

*Data Entry and IT Management*

- Responsible for patient database facilitation, organization, and office IT operations.

## RESEARCH EXPERIENCE

**Collaborative Research – Robotics Spatial Motion Planning** — August 2019 – Present

- Responsible for communicating and working with peers to design robotics heuristic pathway planning software under professor Dylan Shell at Texas A&M University.

## SKILLS

*Technical:* Microsoft – Word, Excel, PowerPoint, Access | Autodesk – Fusion 360, Inventor, Eagle | Multisim | RockSim

*Coding:* C++, C#, C, Python, Java, SQL, HTML, CSS, Scheme, ROS, MATLAB, R, Assembly: x86/y86, Verilog, VHDL

## RELEVANT PROJECTS

**8-Bit CPU –** Designed and built: a digital clock module, registers, Arithmetic Logic Unit, Random Access Memory, program counter, memory access, multiplexed output display, and control logic. Complete with Instruction Set Architecture and machine language instructions set.

**RFID/NFC Communications** – Portable microcontroller shield stack to communicate with RFID/NFCs. The program reads/writes accessible memory to 13.56MHz and 125kHz transponders with added fail-safes and error checking.

**Level 1 High Power Rocketry Certification** – Successfully demonstrated Level 1 High Power Rocketry construction, handling, launch preparation, and retrieval.

## LEADERSHIP & EXTRACIRRICULARS

**Aggie Coding Club** — January 2019 – Present

*General Member*

- Collaboratively implemented an early iteration of the ThoughtSpace company databases using Node.js and SQL.

**TAMUHack** — January 2019 – Present

*Team Lead and General Member*

- Lead a team to build a scheduling app with systematic methods solving instant notification and planning issues.
- Learned screen scraping and dynamic prioritization of various data structures.

**Aggie Research Scholars** — August 2019 – Present

*General Member*

- Facilitated a long-term research project with a team of graduates to advance intelligent system designs.
- Mastered practical graph theory with tethered robotics motion planning using ROS, C++, and Python.

**NASA Student Launch** — August 2016 – April 2017

*Systems Engineer and Software Developer*

- Accountable for the land surveying payload design, interfacing, and deployment within Level 2 classification rocket.