

Kyle Miller

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Skills

Languages: C++ > Python > MATLAB > ASM || LaTeX, R, CSS, HTML5, C, SQL

Tools: VS Code, Visual Studio, RStudio, SFML, OpenGL, CMake, Qt, Git, Colab, Keras, Jupyter


Experience

Regional Director - Corporate Partnerships

Crunch Fitness

Florida, United States

Dec 2019 - Jan 2025

- Led external SMB sales efforts across Florida. Over 2,000 business partnerships established.
- Refactored Corporate Partnership Program resulting in >10x ARR growth. [CrunchPerks.com](https://www.crunchperks.com) 

Code Coach

The Coder School

Sarasota, FL

Sep 2022 - Jun 2023

- Instructed PLUS program focused on conveying technical concepts to a broad audience.
- Oversaw student collaboration and preparation for Quarterly Coder fair culminating in a Demo Day.

Undergraduate Software Developer

UF Biomechanics Lab

Gainesville, FL

May 2017 - Aug 2018

- Using MATLAB, performed kinematic analysis of hip articulation in post-op patients.
- Designed software to assist orthopedic team in finding failure modes following surgery.

Validation Engineer - Internship

Continental

Troy, MI

May 2015 - Aug 2015

- Collaborated with a team of experts from Exponent and engineers from Continental on the WIN recall.
- Oversaw design of experiments and filed three provisional patents for Continental.

Projects

- **GliderGL** - Glider simulation game with basic physics (C++/OpenGL) *In Development*
- **KyleKalendar** - Weekly planner with persistent memory (C++/Qt)
- **RevVis Toolkit** - Jupyter Notebook scripts to extend Google Sheets (Python/Pandas/JS)
- **Minesweeper Clone** - Remake of the popular PC game with developer options (C++/SFML)
- **Personal Website** - Templated website to house projects and personal bio (HTML5/CSS)

Publications

Clinical Biomechanics Volume 82 - Transtrochanteric Osteotomy Article

Feb 2021

US Patent 8,678,659 B2 - Guitar Stabilization

Mar 2014

Education

University of Florida

CS GPA: 3.46

Dec 2025

BS in Computer Science

- **Coursework:** DSA, Linear Algebra, Operating Systems, Database Systems, Computer Networks

University of Florida

Dec 2021

BA in Biology

- **Coursework:** Critical Analysis of Biological Research, Robot Geometry 1, SolidWorks, MATLAB

Certifications: SolidWorks Certified, UF AI Practicum Credential, EA Forage SWE Sim Credential