Travis Ziegler

290 Massachusetts Ave. • Cambridge, MA 02139 • (956) 867-8756 • tjz@mit.edu • @GitHub • @GooglePlay

Education	**Massachusetts Institute of Technology (MIT)**	*Cambridge, MA*
	Candidate for Bachelor of Electrical Engineering & Computer Science	*Class of 2023*
	Current Coursework: Mathematics for Computer Science, Introduction to Algorithms, Physics II, Calculus II	

International Baccalaureate Program at Lamar Academy High School *McAllen, TX*
Ranked 3 / 582; 1570 SAT, 35 ACT *Class of 2019*
Relevant Courses: IB Further Math HL, IB Physics HL, IB Math HL, IB English HL, AP English, AP Physics, etc.

Skills

Programming:	C, Python, HTML/CSS/JS, PHP, Java, x86 Assembly, C++, C#
Frameworks/SDK:	Flutter, OpenCV, JQuery, Qt, Pandas, Jupyter, Docker
Software:	Linux, Android Studio, Photoshop, Unity, Unreal Engine, Maya, Inventor, MATLAB
Spoken Languages:	English (native), German (native), Spanish (proficient)

Relevant Projects

Open Source + Mobile + Web Developer *2015 – Present*
• Designs and programs mobile apps for Android; collaborates on, and creates diverse projects on GitHub.
• Experienced with popular game engines, mobile development SDKs such as Unity, Unreal, and Flutter.

MIT Print – *Published Cross-Platform App for MIT* *September 2019 – Present*
• Developed a cross platform (iOS / Android) app with Flutter that lets MIT students and affiliates print documents to campus printers directly from their phone.

NotifyWho – *Published Android App* *April 2019 – June 2019*
• Released a WhatsApp 'extension' app that assigns custom sounds and vibration patterns to contacts.

GeneticKeyboard – *Research* *September 2018 – April 2019*
• Researched algorithmic optimization and implemented a genetic algorithm in Java to optimize the QWERTY keyboard layout. Wrote a paper outlining research, methodologies, and theories used.

MouseDroid – *Published Android App* *January 2017 – May 2017*
• Created an app for remote PC input, using a phone's gyroscope. Phone rotation yields cursor translation.
• Published a useful utility for remote PC applications such as presentations or games.

Work

Saratoga Solutions LLC *McAllen, TX*
Freelancer, IT Support *December 2016 – May 2019*
• Set up, maintained, and debugged office servers, emails, connections, workstations, and printers.
• Organized files, directories, work accounts, users, and physical workstations.

LIQID Investment *Berlin, Germany*
Financial Analyst Intern *June 2018 – July 2018*
• Collaboratively programmed automation systems with docker for customer financial reporting.
• Analyzed and processed customer financial data with pandas to develop visuals, slides, and charts.

Leader-ship

CPL Club *McAllen, TX*
Founder and Maintainer *August 2017 – May 2019*
• Maintained and taught programming lessons at biweekly **C**omputer, **P**rogramming, and **L**inux meetings.

Robotics Club *McAllen, TX*
Head Programmer *August 2017 – May 2019*
• Managed software side of robots for FIRST Robotics, SeaPerch, and other local robotics competitions.

Interests

Designs visually pleasing UI's, enjoys sketching, and does 2D & 3D digital art for fun and relaxation.
Plays (and creates) mobile and PC video games but never says no to a good old game of basketball.