

# Amelia Baumhart Leveille

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1142 Lost Creek Blvd, Unit 3 – Austin, TX 78746 | 512-285-0687 | amelialeveille@gmail.com

## Education

### Westlake High School | Class of 2020

- Taking advanced STEM classes including Multivariable Calculus and Physics C
- Received a score of 5 on all 11 AP tests taken
- SAT score of 1580, Math II SAT Subject Test score of 790, Physics SAT Subject Test score of 800
- National Merit Semifinalist

### St. Gabriel's Catholic School | Class of 2016

- Recipient of "Outstanding Achievement in Science Award"

## Coursework

### Carnegie Mellon University - Computational Biology Summer Program | Summer 2019

- Conducted laboratory experiments and wrote code in Golang to analyze DNA sequencing data

### MITx 7.00x Intro To Biology - The Secret of Life | Summer 2018

- Completed online course taught by Eric Lander, the principal leader of the Human Genome Project

## Work Experience

### Software Engineering Intern at Glenair (Glendale, CA) | Summer 2019

- Wrote job tracking software for a manufacturing environment using Python and SQL
- Trained team of production engineers in electronics fabrication plant on the use of my software

### CAD Design & 3D Printing Consultant | 2016 – Present

- Managed a CAD design, 3D printing, and engineering consulting business starting at age 14
- 3D printed projects for over 60 customers and created and prototyped designs for three new products
- Took customer service calls between classes & monitored 3D prints remotely with a camera

## Robotics

### Software Lead | Philobots Robotics | Sep. 2016 – Present

- #1 team at the Texas UIL State Championship in 2017 and 2019
- Competed at world championship two years in a row
- Led the team in making strategic decisions, understanding trade-offs, and managing time constraints

### Team Lead | Saber Robotics | Sep. 2014 – Aug. 2016

- Led the team in programming, designing, and building our robots to compete in the FTC competition
- Won 1<sup>st</sup> place at the first competition we attended, competing against area high-school teams