

Zachary Charles Kozar

zachk@vt.edu masterzach32.net

2945 Mill Wood Lane, Blacksburg, VA 24060

Room 544 Lee Hall, 570 Washington Street, Blacksburg, VA 24061

EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA Graduation Date: May 2021

Intended Major: Aerospace Engineering

Classes: Calculus 2, General Chemistry, ECON,
Engineering Research Seminar

Galileo Living Learning Community

Blacksburg High School, Blacksburg, VA (2015-2017) GPA: 3.55/4 Graduation Date: May 2017

Completed Advanced Diploma (6 more credit hours than regular diploma)

Governors STEM Academy Seal

AP classes: Physics C, Calculus AB, Computer Science A, Statistics,
English Literature, American Government, Human Geography

Honors classes: Math Analysis (trig/pre calc)

FIRST Robotics – Member of Blacksburg’s Copperhead Robotics 401 - 2016-2017

Head Programmer – 2017, Drive Team - 2017

World Championship Qualifier, St. Louis, MO – 2016, 2017

District Engineering Inspiration Award – 2017

Regional Engineering Inspiration Award – 2017

Northwest Catholic High School, West Hartford, CT 2013 - 2015

Honors classes: Algebra I, Algebra II, Geometry

Track Team – 2014, 2015

Robotics Club – Sea Perch – 2014, 2015

Band – Concert, Jazz – 2014, 2015

HONORS / AWARDS

BHS National Honor Society Inductee - October 2016

Honor Roll at Northwest Catholic – Honors for 3 semesters

WORK EXPERIENCE

Orthopedic Mechanobiology Laboratory at Virginia Tech | Blacksburg, VA Summer 2017 - Present

Dr. Vincent Wang, (540) 231-1771

Projects: Discovering relationships between injured and normal tendons using
Shear Wave Elastography and Machine Learning on b-mode ultrasound images.

Cornice Inc. | Blacksburg, VA 2016 – 2017

Debbie Bodemer (540) 239-8321

Construction Assistant: Helped construct two garages for private clients in Blacksburg

Valley Sports Physicians & Orthopedic Medicine | Glastonbury, CT Summer 2015

Dr. Paul Tortland, DO (860) 675-0357

Office Assistant: Assisted doctors with procedures when needed, stocking patient
rooms, counting inventory, monitoring the front desk and answering phone calls / faxes

VOLUNTEER EXPERIENCE

A Hand Up Inc. | West Hartford, CT 2014-2015

Helping the homeless transition from homelessness to independent living
by delivering donated furniture to those who cannot afford it.

VCOM Mission Trip | El Salvador December 2016

Hosted medical clinics in rural villages to serve the communities

OTHER SKILLS / ACTIVITIES

Programming Experience

Self-Taught Languages: Java, Kotlin, Python, HTML, JavaScript, CSS, Sass.

Projects: Simulations, automation scripts, electronics, computer vision and interactive/responsive websites

Proficient in Microsoft Office, Adobe Photoshop, Illustrator, and Premiere

Beginner Computer Aided Design (CAD)

Basic to Intermediate Spanish