

Zak Vanstrom

zvanstro@asu.edu • ZakVanstrom.com • (260) 249-7888 • [linkedin.com/in/zakyre-vanstrom/](https://www.linkedin.com/in/zakyre-vanstrom/)

Education

Bachelor of Science: Computer Science (Software Engineering)

Major GPA & Cumulative GPA: 4.00 /4.00

Certificate in Digital Business Innovation

May 2022

Ira. A. Fulton Schools of Engineering

Barrett, The Honors College, Arizona State University, Tempe, AZ

• Presidential Scholarship | Planning Scholar | Bidstrup Grant | Dean's List F18' S19' F19'

Work Experiences

Global Biosocial Complexity Initiative at ASU

Tempe, AZ

Student Worker V - Undergraduate Researcher

July 2019 – January 2020

- Wrote grant proposal and developed project modelling the evolutionary ecosystem of the App Store
- Used Agent-Based Modelling techniques under direction of Dr. Manfred Laubichler

Compass High School

Tucson, AZ

IT Intern

May 2017 – August 2019

- Lead program introducing VR in the classroom and presented to general public audience
- Provided technical support and taught basic computer skills to teachers & students
- Automated imaging and mass deployed equipment process with Rubber Ducky
- Liquidated >\$12,000 from outdated equipment as overtime project
- Performed cost analyses and research for equipment purchases
- Maintained and updated server infrastructure

Timberland & Associates

Fort Wayne, IN

Contractor

March 2016 – Present

- Partner in demolition and renovation of five barns, three houses, and a condemned schoolhouse
- Woodworker of furniture and agent for barn-wood resale

Walgreens

Fort Wayne, IN

Customer Service Associate

December 2017 – July 2018

- Exemplified consistent responsibility as opener, closer, front-cash, photo-center, flex-position

Volunteering

Decision Center for Educational Excellence

Tempe, Arizona

Software Engineering Volunteer

October 2019 - Present

- Developed educational web app with MERN Stack using aggregated financial data to project costs of building a high school

Eta Kappa Nu, ASU Chapter of IEEE Honor Society

Tempe, Arizona

Active Member

January 2020 – Present

Tutor

Fort Wayne, Indiana

- Tutored struggling middle school students in math and writing, improving their academic standing

May 2014 – August 2018

Skills

Skills: *Advanced:* Languages: Java, HTML, CSS *Software:* Excel
Intermediate: Languages: Python, Assembly, C/C++ *Software:* Linux OS, Quartus, Illustrator
Basic: Languages: SQL, Verilog, JavaScript *Software:* MATLAB, IBM Cloud, Drupal,
Languages: English (Native), Spanish (Elementary)

Interests: Cybersecurity, Digital Privacy Law, Machine Learning, Artificial Intelligence, Laser CNC Modelling, 3D Printing

HONORS & COURSES

National AP Scholar (<i>Top 1%</i>)	2018
National Merit Scholarship Commendation (<i>Top 2%</i>)	2018
IBM CodeResponse Hackathon - DisasterDash	2019
LAW 656 – Business & Real Estate Valuation (Project Excellence)	2020
BIO 570 – Fundamentals of Complex Adaptive Systems Science	2019
CSE 205 – Object-Oriented Programming and Data Structures (Java)	2019
CSE 220 – Programming for Computer Engineering	2019
CIS 300 – Web Design and Development	2020