

Zak Vanstrom

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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'

EMPLOYMENT

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 App and User interaction since inception of Apple's App Store using Agent-Based Modelling techniques under direction of Dr. Manfred Laubichler

Compass High School

Tucson, AZ

IT Intern

May 2017 – August 2019

- Worked as team to maintain, support, and develop school's technology infrastructure
- Automated enterprise imaging and mass deployment using scripts and Rubber Ducky
- Proposed and implemented VR in the classroom as educational tool and recreational activity, uplifting underprivileged students
- Audited inventory of 450+ Chromebooks, iMacs, iPads by resetting tracking systems, updating logs, deprovisioning excess devices
- Provided technical support, including equipment maintenance & repairs, training sessions, direct support to teachers and students
- Took on overtime to complete necessary liquidation within short notice, reselling over \$12,000 in equipment over 3 weeks

Timberland & Associates

Fort Wayne, IN

Contractor

March 2016 – Present

- Partner in demolition & extraction of antique barnwood from 5 barns, acting as salesman and representative to network of 60+ buyers. Renovated 3 homes over 2 years. Restored condemned schoolhouse to like-new condition as historical landmark

Walgreens

Fort Wayne, IN

Customer Service Associate

December 2017 – July 2018

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

EXPERIENCES

Decision Center for Educational Excellence

Tempe, Arizona

Software Engineering Intern

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 & INTERESTS

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	2018
National Merit Scholarship Commendation	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 120 – Digital Design Fundamentals	2019
CIS 300 – Web Design and Development	2020