

Zachary A. Smith

Education

University of Texas Austin, TX Undergrad mathematics and graduate computer science courses	Aug. 2019 – May. 2020
Open Source Society University Online Computer Science Courses	Aug. 2017 – Aug. 2019
Michigan State University East Lansing, MI Bachelor of Arts, Accounting - GPA: 3.4/4.0	Aug. 2012 - June 2017

Experience

Software Engineer Twisted Fields San Gregorio, CA <ul style="list-style-type: none">Designed and implemented a solar-powered wifi network over 127 acres with hardware and software from the Ubiquity ecosystemDeveloped third party tools on top of Ubiquity's Unifi Network software to help debug networking issuesSaved \$10000+ in broken machinery and labor costs through implementation of IoTPrototyped software and hardware development of a smart irrigation system with the stack Python, Flask, and Redis ran on Raspberry Pis and microcontrollers	July 2020 - Present
Computer Science Intern NASA Hampton, VA <ul style="list-style-type: none">Identify non-compliant public-facing Langley websites, and facilitate their migration to log server traffic on SplunkImproved Splunk public-facing web server compliance by 12%	Jan 2019 - May 2019
Database Manager and Web Designer Blockmaster Electronics Elk Grove, IL <ul style="list-style-type: none">Build and maintain a product database of over 20,000 unique part numbers, each with 30+ specs, with links to pictures and engineering drawingsCreate a consumer-focused company website and integrate the database so that it's filter-able and optimized for search	April 2018 - July 2019
Tax Intern BDO USA, LLP San Francisco, CA <ul style="list-style-type: none">Worked on a team of 8 to complete the returns of a venture capital fund consisting of 50+ total entities while managing client expectationsModified company excel templates to improve efficiency, created new templates to manage hedge fund data, and led intern excel trainings to solve common first-year efficiency and data management problems	January 2017 - April 2017

Leadership / Extracurricular Activities

Unmanned Aerial Vehicle Team (Computer Vision) UT Austin Austin, TX <ul style="list-style-type: none">Led a group of three students on the computer vision team. Our goal was to locate and identify alphanumeric symbols and their degree of rotation from birds-eye-view images. We apply various machine-learning tools (YOLO v3, TensorFlow Hub) to self-generated dataCorrectly identify 50% of data where there exists one symbol	Aug 2019 - May 2020
Musician Wiccit (band) Austin, TX <ul style="list-style-type: none">Perform original music in the band Wiccit in venues around Austin	Aug 2019 - May 2020
NASA Aerospace Scholar NASA Stennis Space Center Mississippi <ul style="list-style-type: none">Test engineer on a team of 10 students challenged to design an autonomous rover for a Mars retrieval simulation competition	June 2018
Activities Facilitator, English Language Villacarriedo Summer School Spain <ul style="list-style-type: none">Led and mentored native Spanish-speaking students with conversational English Collaborated with school directors and counselors to create, plan, and organize indoor and outdoor activities for students	July 2015
Howland Bicycle Club Touring Cyclist Midwest <ul style="list-style-type: none">Led a month-long, 1200 mile bike adventure tour from the campus of Michigan State University to Sioux Falls, SD	May 2014 - June 2014