Alexander van de Sandt

Phone: (317) 318-5239 | Email: avandesa@purdue.edu | Website: https://avandesa.github.io

Education

- Purdue University
    - Fall 2016-Present
    - Pursuing Major in Computer Science
    - Following Systems Programming and Programming Languages track in Department of Computer Science
    - Member of the Honors College
    - Expecting to graduate Spring 2020
- Zionsville Community High School
    - 2012-2016
    - Indiana Core 40 Academic Honors, Summa Cum Laude
    - 10 AP classes, including Computer Science, Calculus BC, Physics C, and Economics
    - Extracurriculars: Robotics Club, Model United Nations, Rock Climbing Club, National Honor Society, Tri-M Music Honor Society

Work Experience

- Clear Software – Intern
    - Summer 2017
    - Worked directly with clients to determine requirements for product customization
    - Configured product to client requirements using Django templates
    - Integrated product with existing enterprise software using python
    - Learned Python, Django, client services, and business programming frameworks
- IMS Productions – Utility Worker
    - Summer 2016, 2017, and 2018
    - Assisted camera and talent crews in the pit lane at IndyCar races
    - Ran and coiled fiber-optic cables
    - Coordinated radio distribution for pre-race stage crew at Indianapolis 500
    - Learned teamwork, communication, and basic fiber-optic systems

Extracurriculars

- Electronics Team Member, Purdue Formula SAE (Fall 2018 – Present)
    - Developed tools in Rust to interact with CAN bus over network
    - Assisted in construction of wiring harness for 2019 car
- Violin, Purdue Symphony Orchestra (Fall 2016 – Present)
- Member, ACM Purdue SIGBots (Spring 2017 – Spring 2018)
    - VEX-U team at Purdue
    - Software Team Leader (Fall 2017 – Spring 2018)
    - Developer, Purdue Robotics Operating System 3.0

Technical Skills

- Advanced C programming
- Intermediate Rust, C++, Java, and Python programming
- Intermediate experience with embedded C and Rust programming
- Gentoo Linux
- Proficient in Git, Phabricator, and JIRA

Languages

- English – Native

- Russian – 5 Semesters