**Alexander Bonnette**

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|  | GitHub: https://github.com/AlexBonnette |

**Education**

**YOUNGSTOWN STATE UNIVERSITY**

Bachelor of Engineering (Electrical and Computer Engineering)

Coursework in Electrical Theory, Computer Science, Circuit Design, Physics (General Physics 1, Statics and Dynamics, Electromagnetic Energy Conversion), Engineering Method

Class Standing: Senior

Dean's List – Fall 2014-Present

President's List – Fall 2015

**Relevant Work Experience**

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| **Vista AST, LLC.** | Youngstown, OH |
| 3D Printing Intern | February 2017 – Present |

Build and test all new Invent3D 3D-printers (regardless of model). Troubleshoot, repair, and upgrade all products when needed. Assist in operation and maintenance of all equipment in Vista AST’s Maker Space.

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| **FEIC Financial, Inc.** | Youngstown, OH |
| IT Analyst | May 2016 – February 2017 |

Continually analyzed all technological systems in use, and composed recommendations on upgrades or changes in order to maintain appropriate balance between cost minimization and software functionality for needs at the time. Addressed all technological issues on a first-level support basis as necessary in order to minimize and eliminate impact on business functionality, and prevent future occurrences.

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| **Business Equity Advisors, Inc.** | Youngstown, OH |
| IT Analyst | September 2016 – February 2017 |

Performed duties similar to those of FEIC Financial, Inc. IT Analyst

**Leadership and Activities**

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| **YSU Institute of Electrical and Electronics Engineers,** Junior Representative | January 2015 – May 2017 |

Participated in meetings, events, and fundraisers, and kept up-to-date on all happenings within the organization. Ensured Junior class of Electrical Engineers were notified of all meetings time, events, and fundraisers.

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| **YSU Institute of Electrical and Electronics Engineers,** President | Fall 2017 – Present |

Collaborate with fellow officers as well as other campus organizations to organize meetings, events, and fundraisers for the organization. Organize events (with officers’ help) that further members’ knowledge of technology, as well as promotes professionalism among the members.

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| **Penguin Hackers,** Active Member | April 2017 – Present |

Participate in meetings. Actively participate in the organization via the Slack group. Assist in organization of HackYSU event. Collaborate with fellow members to participate in other “Hackathons” across the state.

**Projects**

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| **3D Printer,** Personal Project | May 2017 – Present |

Work with a mechanical engineer to design and build a functional 3D printer for personal use, based on a design put on YouTube by Mads Nielson.

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| **HackYSU 2017,** YSU-hosted Event | April 2017 |

Worked with a team of four other students over the course of two days to utilize an Arduino Mega, twelve RGB LEDs, four push-buttons, and C++ to create a maze that is navigated using the push-buttons. The LEDs served as a display, indicating what is immediately surrounding the user and executing different animations for winning and other events.

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| **Game Jam 2017,** YSU-hosted Event | April 2017 |

Worked with a team of three other students to create a game from scratch for the Oculus Rift using Unity and C#.