Daniel Filler

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Education

The Ohio State University, 08.2016 – 05.2020 | Columbus, OH
B.S. Computer Science and Engineering
- **GPA**: 3.3, Dean's List, **Focus**: Artificial Intelligence
- **Relevant Coursework**: Data Structures and Algoritms, Computation Theory, Complexity Analysis, Internet Networking, Network Science, Neural Networks, Distributed Systems and Parallel Computing

Professional Experience

Xant, *Frontend Software Engineer* 07.2020 – Present | Lehi, UT
- Drove development of new features in collaboration with product and design teams for a range React/Redux applications built in varying architectures
- Acted as Project Lead for a new app involving Buyer Intelligence
- Mentored new developers in understanding the codebase, developing and bugfixing, and team practices

The Ohio State University, *Grader* 08.2018 – 05.2020 | Columbus, OH
- Graded homework and large project assignments for courses in advanced software design with Java, and introductory Artificial Intelligence (CSE 2231, CSE 3521)
- Simplified documentation for scripts used by other graders to test student projects
- Provided valuable feedback to students on correctness, testing coverage, efficiency, and style

John Deere, *Software Engineering Intern* 05.2019 – 08.2019 | Des Moines, IA
- Improved an agricultural data analysis web application (Field Analyzer Pro) by building a new feature to access further data granularity using a new endpoint designed in collaboration with another intern
- Updated existing Google Analytics enabling product owners to more accurately analyze user activity
- Integrated into an Agile development team by quickly learning their tool chain and application architecture

Penn State Fruit Research Extension Center, *Lab Assistant* 05.2017 – 08.2018 | Biglerville, PA
- Assisted in doctoral and professional orchard entomology research by accurately collecting, organizing and entering data
- Lead a group of other student workers in executing pesticide efficacy trials during my second summer

Projects

Java Docs, *java-docs.herokuapp.com*
- MERN Stack web application for documenting complex coffee recipes
- Designed a REST API to provide basic CRUD functionality for logging recipes
- Built a server using Express to serve frontend content and respond to API requests
- Deployed application through Heroku and MongoDB Atlas
- **Utilized**: JavaScript, Express, Node.js, React, Heroku, HTML/CSS/Sass, Bootstrap, MongoDB

Graph Algorithms, *dfclutch.github.io/apps/graphs*
- Built a web page in vanilla JS for animating graph algorithms including search, network flow, and minimal spanning tree, for educational use
- Created an algorithm for generating random graphs that are visually useful
- **Utilized**: Github Pages, Javascript, HTML Canvas, CSS

Skills

Web Application Development
ES6, Node.js, NPM, Webpack, Babel, React 16, Redux, React Router, Lodash, CSS/Sass, styled-components, HTML, D3js, Web APIs, JWT auth

Software Engineering
Git, agile, design patterns, network protocols (HTTP, WebSockets), TDD, Unix, Docker, CI/CD (Bamboo, Jenkins, Travis)