

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:** Web App Development, Software Design, Internet Networking, Network Science, Neural Networks, Machine Learning, 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 of 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 | Urbandale, 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 and participating in team meetings and pair programming

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

Frontend Development

ES6, React 16, Redux, React Router, Lodash, CSS/Sass, styled-components, HTML, D3.js, Web APIs, Chrome Extension development

Web Application Development

Node.js (Express, Hapi), Python (Flask), NPM, Webpack, Babel, Networking (HTTP, WebSockets, Fetch API), JWT Authorization