

# Daniel Filler

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## Education

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### The Ohio State University,

08.2016 – 05.2020 | Columbus, OH

*B.S. Computer Science and Engineering*

- **GPA:** 3.36, Dean's List, **Focus:** Artificial Intelligence
- **Relevant Coursework:** Data Structures and Algorithms, Computation Theory, Complexity Analysis, Internet Networking, Network Science, Neural Networks, Distributed Systems and Parallel Computing

## Professional Experience

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### 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
- Coordinated frontend, backend, and data layer efforts to develop a new app as a Project Lead
- 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 by developing a feature to provide further data granularity through a new data endpoint designed in collaboration with another intern
- Enhanced 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

## Projects

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### Java Docs, [java-docs.herokuapp.com](http://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

### Novel Graph Generation Models, [dfclutch.github.io/apps/d3](https://dfclutch.github.io/apps/d3)

- Built a web page using for presenting implementations of random graph generation, including models of my own design. This project was created to learn the D3 library for a school project.
- Used D3js as the visualization tool for creating force directed graph layouts and interactive visualizations

## Skills

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### Web Application Development

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

### Software Engineering

Git, Bash, Containerization (Docker), CI/CD (Bamboo, Jenkins, Travis), Instrumentation (Google Analytics, Mixpanel), Caching (redis), TDD, Agile