

Nic Nolan

NicNolan@live.com • (503) 858-5339 • [NicNolan.com](https://nicnolan.com) • [GitHub.com/NicNol](https://github.com/NicNol) • [LinkedIn.com/in/NicNolan](https://www.linkedin.com/in/NicNolan)

EDUCATION

B.S., Computer Science | Oregon State University | 4.00/4.00 GPA Anticipated Dec. 2022
B.S., Philosophy | Oregon State University | 3.90/4.00 GPA 2014

SKILLS

Languages: JavaScript, TypeScript, Python, VBA, SQL, HTML, CSS

Technologies: Node.js, Express, React, Next.js, MongoDB (NoSQL), Cypress.io, Jest, Git

WORK EXPERIENCE

Software Engineer Intern | Instructure | Salt Lake City, UT Jun. 2022 – Sept. 2022

- Developed Canvas learning management software as part of team practicing Scrum methodology.
- Recreated course roster page with GraphQL and React in page upgrade with 20M+ monthly users.
- Designed multiple GraphQL schemas/types and wrote Apollo GQL queries to fetch data from backend.
- Rendered data into React components following design guidelines in support of A11y and I18n.
- Wrote unit tests using Jest, React Testing Library, Ruby RSpec, and Apollo Client.

Software Engineer Intern | RubensteinTech | New York City, NY Jan. 2022 – May 2022

- Utilized JavaScript, Cypress.io to expand and improve end-to-end test coverage across 30+ projects.
- Configured 10+ GitLab CI/CD pipelines with YAML to perform integration testing nightly.
- Exposed and documented 20+ test settings as GitLab CI/CD environment variables via shell scripting.
- Integrated a visual reporting tool into existing codebase to improve identification of bugs and test flake.

Quality Assurance Engineer | Astronics PECO | Clackamas, OR Nov. 2016 – Sept. 2021

- Programmed and maintained system for reporting product defects with 50+ users using Excel and VBA.
- Collaborated with dozens of project teams to implement new products and create process improvements.

PROJECTS

Course Analytics | TypeScript, Node.js, Next.js, MongoDB, React, Cypress.io [Demo](#) | [GitHub](#)

- Developed app to aggregate thousands of real course evaluations and display average time commitment, difficulty, and common course pairings; data can be filtered by submission date to see trends over time.
- Built a REST API with Next.js by scraping a Google Sheets document and converting data to JSON hourly.
- Applied React and Chakra UI component library to implement responsive UI with light and dark modes.
- Wrote 25+ end-to-end tests with Cypress.io to test for regressions between releases.

Boeing Speckle | JavaScript, Node.js, Express, MongoDB, React [Demo](#) | [GitHub](#)

- Constructed a RESTful API for serving users metadata for nearly 1000 Boeing process specifications.
- Programmed server to scrape Boeing website daily, parse data with regex, and convert metadata to JSON.
- Leveraged React and Chakra UI to make a user-friendly and responsive UI to query for specifications.

Commercial Space Flight Tracker | JavaScript, Node.js, Express, MySQL, React [Demo](#) | [GitHub](#)

- Created a database management system to record and query commercial space flights with 9 different database tables including flight participants, government agencies, private companies, and countries.
- Designed Entity Relationship Diagram and enforced relationships in frontend, backend, and database.
- Implemented data table filtering in React/JavaScript and database search capability using MySQL.