

# Catherine M. Lavin

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Full stack software engineer with a penchant for front-end development. I enjoy working in a collaborative environment with opportunities for growth as an engineer. Formerly a chemist, I bring strong critical thinking and problem solving skills.

## SKILLS

JavaScript • React • Redux • TypeScript • Python • Flask • Ruby • Rails • HTML • CSS • MongoDB • PostgreSQL • Agile • Git

## EXPERIENCE

**Lucera**, owned by Cantor Fitzgerald, New York, NY

Front-end/UI Developer, *Dec 2019–May 2020*

- Built features for a greenfield, websocket-based web application to trade US treasuries at high speed using React Hooks, TypeScript, and Redux
- Owned a significant portion of the application, allowing for placing and controlling trades, and viewing data at update speeds up to 250ms
- Aided in a component library initiative based on Ant Design components
- Collaborated with front-end and back-end engineers on feature implementation to fulfill product requirements and meet deadlines
- Regularly communicated with product manager and designer on story progress, feature implementation, and strategic output in an agile sprint structure

**Nomad Health**, New York, NY

Product Engineer, *Oct 2018–Dec 2019*

- Converted user profile forms written in WTForms to React and Redux Form
- Added new forms to collect job preference data during nurse onboarding and updated styling from SASS to styled components
- Wrote Enzyme unit tests for various features to increase application test coverage
- Worked closely with design to build resilient, responsive emails using Jinja templates and tested across different email providers using Litmus
- Collaborated with front-end engineers on the creation of a design system, composing stories for commonly used components with Storybook
- Served as scrum master on a 3–4 person engineering team

**Cognizant**, New York, NY

Full Stack Developer, *Jan 2018–Sept 2018*

- Worked on internal tools for job placements, wrote unit and acceptance tests, and ran automated testing using Nightmare on a full stack JavaScript application
- Completed Platform Acceleration Lab course on microservices and cloud computing

**Syracuse University**, Syracuse, NY

Graduate Research Assistant, *Dec 2011–May 2017*

- Synthesized and analyzed novel air-sensitive organometallic compounds
- Delivered presentations on research results at American Chemical Society meetings

## EDUCATION

**Flatiron School** - New York, NY, 2017

Full Stack Web Development, Ruby on Rails and JavaScript

**Syracuse University** - Syracuse, NY, 2011–2019

Ph.D. candidate in Inorganic Chemistry

M.Phil. in Chemistry, 2014

**University of Arizona** - Tucson, AZ, 2010

B.S. in Chemistry, minors in Italian and Classics