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PROJECTS

Provider Onboarding Experience *(Node.js)* **live**

Registration process for Lending Club's medical provider clients.

- Responsibility and ownership as sole UI engineer for this project.
- Reduced average registration time from 10 business days to only 1.
- Built flow using open-source and internal frameworks.

Mandelbrot Fractal Explorer *(Java)* **github**

Swing applet for exploring and capturing images of mathematically-generated fractals.

- Performant image generation and careful design enable smooth, continuous zoom.
- Multithreading provides seamless, uninterrupted user experience.
- Powerful zoom allows user to explore an area greater than the surface area of the moon.

EXPERIENCE

Associate Software Engineer - *Lending Club* *(February 2016 - Present)*

- Built both front and back end for presentation layer for the Purchase Finance team.
- Spearheaded refactoring effort for loan application flow of yts-learning.com.
- Used and contributed to internal frameworks.

Quantum Physics Research Group - *Dartmouth College* *(March 2014 - February 2015)*

- Explored strategies for maintaining coherence of quantum bits, a prerequisite for building scalable quantum computers.
- Wrote script to calculate computationally-intensive integrations.
- Uncovered error in established work which opened new research paths.

SKILLS

JavaScript	**Java**	**HTML**	**jQuery**
Node.js	**Git**	**CSS**	**Ruby**

EDUCATION

Web Development - *App Academy* *(Summer 2015)*

- Immersive software development course with focus on web development and agile methodologies. Strong emphasis on code quality and design patterns.
- Highly competitive (< 5% acceptance rate).

Bachelor of Arts - *Dartmouth College* *(Fall 2011 - Spring 2015)*

- Physics major with Engineering minor, Cum Laude.
- Coursework included: Statistical Methods in Engineering, Linear Algebra, Abstract Algebra, Differential Equations, Statistical Physics, Fourier Transforms.