

PATRICK BROWN

Software Engineer

New York, NY P: 763-350-1818 patricksbrown1992@gmail.com [LinkedIn](#) [Github](#) [Portfolio](#)

SKILLS: Ruby, Ruby on Rails *, RSpec, JavaScript *, jQuery *, React *, Redux, SQL, Git *, HTML *, CSS3 *, SASS, Python *, Typescript, PostgreSQL, SQLite3, AWS, Vue, REST *, OOP *, React Native

PROJECTS:

Patrickflix Ruby on Rails, ReactJS, Redux, Javascript, AWS, Video, Audio [Live](#) | [GitHub](#)

Get the hottest actors named Patrick exclusive content from Swayze and Stewart to Neil Patrick Harris

- 32 AWS storage based videos, which can be saved to a list to watch later
- Created a custom autoplay, featured video with sound on log in at the top, similar to Netflix
- Seek by drag, 10 second seek, full screen and all the other features of video playing on Netflix

NeverNote Ruby on Rails, ReactJS, Redux, Javascript, UX, UI, CSS [Live](#) | [GitHub](#)

Never lose your thoughts with rich-text-edited, autosaved notes with photos, similar to Evernote

- Built custom back-end API to verify user's email model and controller-level validation, which conditionally render helpful errors to guide user or dynamically reveals a hidden password field to finish login process
- Created a custom AutoSave feature on notes for dynamic, highly scalable and clean user experience using React with a Postgres database. Implemented original search algorithm by using tags on notes for faster note search

Squirtle-Aga Javascript, CSS, HTML5, Audio [Live](#) | [GitHub](#)

Classic Galaga game with Pokemon themed heroes and villains

- Created custom collision detection for interactive and engaging game physics with every render
- Linked game difficulty with current player level algorithm by increasing speed of enemies' fire rate with a random number generator to scale to player's skill, using JavaScript and Canvas

WORK:

Full Stack Engineer at Northwest Classes Jun 2019–May 2020 (Covid layoff)

- Created internal tracking system for class times, topics and clients in Agile using Rails to persist the data for record keeping and communication
- Crafted custom search algorithm utilizing the store in Redux and linked payment system
- Mentored the team of three programmers on React and trained them to integrate it into the frontend system

Due Diligence Quality Controller Investigator at Wells Fargo Jun 2017 - Dec 2018

- Promoted to leadership position in 6 months with 6 direct reports to maintain quality expectations through weekly reviews, challenges and sit-downs to analyze 5% of cases to go over patterns
- Trained new hired investigators after maintaining the third lowest error rate while achieving twice the production as the next highest investigator on my team of 20

VOLUNTEER:

Software Engineer for Democratic-Farmer-Labor Party March 2018–Now

- 25 hours a week
- Built out internal systems and campaign websites for various political campaigns
- Maintained clean voter data for campaigns ranging from Otto for Governor to state house and local races

EDUCATION:

AppAcademy 2019

An immersive 1200-hour Full-Stack web engineering bootcamp. Admissions acceptance rate of 2%.

University of California, Davis -BA International Relations. 2011– 2015

Minors - Modern European History, Political Science, Economics