Edward Lee

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GitHub   LinkedIn   Portfolio

Personal Projects

CatTube (Ruby on Rails, React.js/Flux, PostgreSQL) // Live **//** GitHub
- Automatically screenshots uploaded mp4 videos to generate preview thumbnails.
- Validates account avatars for image content and crops to 100x100 pixels for smaller size.
- Uses paginated comments and thumbnails in order to lighten load on server.

Space Defender (JavaScript, React.js) // Live **//** GitHub
- Generates particle effects with fade, random colors, speed, etc. for better graphics.
- Enemy ship AI and tracking missiles update based on their nearest calculated target.
- Rotates images using the object's velocity and stretches based on the collision size.

QtCrypt (C++, Qt) // GitHub
- Lightweight, multithreaded GUI application written in C++, using the Qt framework.
- Encrypts/decrypts files and directories using a symmetric key algorithm via libsodium.

Skills

Ruby	JavaScript	Flux	HTML5	C	SQL
Rails	React	jQuery	CSS3	C++	Git

Education

App Academy - New York, NY (2016)
12 week full-stack web development program, acceptance rate <5%

Rutgers - New Brunswick, School of Arts and Sciences (2014)
Bachelor of Science, Major in Physics, Minor in Mathematics
GPA 3.873, summa cum laude, Dean's list (4 semesters)

Work Experience

Resource Tech, Network CPR Inc. - New Providence, NJ (Jan. 2015 - Sept. 2015)
- Deployed computers and peripherals for a large medical group, successfully upgrading over a thousand workstations.
- Provided direct IT support to doctors, nurses, and administrative staff, including transferring over sensitive data, troubleshooting specialized software, and fixing hardware problems related to label printers, card scanners, etc.
- Wrote batch scripts that sped up the setup time for new machines.
- Taught and managed newer coworkers on the rollout process, and was trusted with handling other sites independently.