

Brian Roth

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brianeroth.com

EDUCATION

Northeastern University, Boston, MA

Sept. 2014 - May 2018

Khoury College of Computer Sciences

Bachelor of Science in Computer Science

Relevant Courses: Artificial Intelligence, Database Design, Object-Oriented Design, Algorithms & Data Collection, Integration, and Analysis, Computer Systems, Logic & Computation, Discrete Structures, Human-Computer Interaction, Programming Languages

Honors: **GPA: 3.6/4.0**, Dean's List

Activities: Greece Study Abroad Program, CCIS Fellows, NU Hacks, N.U.in Alumni Ambassador, CCIS P2P Network Mentor, Orientation Volunteer, Senior developer in student-led design firm

COMPUTER KNOWLEDGE

Languages: HTML, CSS/Sass, JavaScript, jQuery, React.js, AngularJS, Node.js, Elm, PHP, Java, MySQL/Postgres, Ruby/Rails, Lisp/Scheme (Racket), C, C++

Tools: Eclipse, IntelliJ, Visual Studio, Adobe Creative Suite, Git, Heroku, AWS

Other: Search engine optimization/marketing, WordPress

EXPERIENCE

PlacePass, Boston, MA

Jan. 2017 - May 2019

Senior Software Engineer

- Directing front-end platform architecture utilizing Ruby on Rails and React with performance, scalability, and modularity in mind (25,000 transactions per minute)
- Coordinating migration from Heroku to AWS infrastructure to reduce costs by 83%/month
- Hiring and managing our intern/co-op engineers by providing guidance and mentorship
- Implemented whitelabel, multi-tenant architecture powered by CMS that allows business teams to spin up new partner sites without engineering intervention

Tank Design, Boston, MA

Jan. - June 2016

Developer

- Created HTML buildkits and CMS websites for clients such as FedEx, Citizens Bank, and Genzyme
- Analyzed client websites for technical debt and presented/programmed suggestions for improvement
- Implemented internal security monitoring tool in PHP, MySQL, and AngularJS

Web Developer, Boston, MA

Aug. 2009 - Present

Freelancer

- Launched technology news website using WordPress that reached 50,000 monthly page views
- Developing new websites for clients that include both local companies and a Boston-area hospital
- Maximized social media outreach for local businesses by identifying new marketing strategies

INTERESTS

Technology news, nature & city photography, traveling, baseball, basketball, alternative hip hop, rock climbing