

Daniel Shanahan

Software engineer focused on building accessible products for the web

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Experience

Cognitive Trainer · **LearningRx** Jun 2021 – Present

- Worked with clients one-on-one to improve fundamental cognitive skills such as attention, memory, visual and auditory processing, math, comprehension, and reading
- Conducted semi-annual client progress reviews with stakeholders
- Performed new hire on-boarding and training

Pet Care Professional · **Becky's Pet Care** Jan 2019 – Mar 2020

- Provided personalized care for clients' pets

Software Engineer · **Qualcomm** Sep 2012 – Nov 2015

- Implemented and maintained a hardware-independent unit test framework, which allowed developers to detect and resolve bugs months earlier in the production cycle, reducing time to market
- Designed and implemented hardware simulator for unit test framework, decreasing the time needed to identify software bugs.
- Implemented and maintained a hardware-independent continuous integration system to immediately detect bugs from any software check-in.
- Converted transceiver driver from C to C++ to leverage inheritance and eliminate redundant code, reducing bugs and minimizing memory usage
- Developed new features for Python and Perl scripts which auto-generated unique C++ code from an Excel spreadsheet for each product in development

Software Engineer Intern · **Qualcomm** May 2011 – Aug 2011

- Designed and implemented multi-threaded time profiling feature
- Developed test scripts to calculate time profiling statistics for nightly regression testing

Software Engineer Intern · **Qualcomm** May 2010 – Aug 2010

- Automated nightly regression testing and code coverage reporting

Education

Virginia Tech

Master of Science in Computer Science & Applications
Graduate Certificate in Human-Computer Interaction

Virginia Tech

Bachelor of Science in Computer Science

Skills

Programming Languages

Javascript, TypeScript, HTML, Python, CSS

Libraries & Frameworks

React, Next.js, Tailwind

Tools & Platforms

Git, GitHub, Vercel, Firebase

Selected Projects

Brainskills Dashboard

Dashboard for visualizing student engagement with the Brainskills web app as part of LearningRx brain training

Social Media Clone

Social media clone featuring user authentication, creating and deleting posts and comments, liking posts, and following users