

Experience

JumpStart Georgia — *Full Stack Web Developer*

September 2014 - March 2017

- Built system for analyzing and structuring monthly, quarterly, and yearly National Budget data from the Republic of Georgia, using a **TDD process** in **Ruby**
- Created **React** web app to allow quick access to the Georgian National Budget data for Georgian citizens and others (<https://biujeti.jumpstart.ge>)
- Created **Ruby on Rails** web application about political prisoners in Azerbaijan
- Maintained legacy **web apps, databases, and servers**
- Gave presentations on technical subjects to keep JumpStart's team up to date

Sunrun — *Software Engineering Intern*

June 2013 - July 2013

- Wrote major refactor of Sunrun's next-generation **JavaScript** sales app front end
- Worked on development team using **Agile** methodology

Side Projects

- ScottShane.net: The website of author and NYT journalist Scott Shane (**Rails**)
- Atoms.NathanShane.me: A simulation of atoms (**vanilla JavaScript**)

Education

Recurse Center

August 2017 - November 2017

- Rebuilt NathanShane.me using **React (Gatsby JS)**
- Continued learning web technologies: CSS Grid, service workers, caching, d3
- Made progress on an online resource for learning about traditional church music from the Republic of Georgia; built with **Firebase** and **React (Next JS)**

Fulbright Research Grant — *Traditional Music Researcher in the Republic of Georgia*

September 2013 - May 2014

- Studied with master singer Malkhaz Erkvanidze and learned to speak Georgian

Wesleyan University — *B.A. with major in Music; 3.97 GPA*

September 2009 - May 2013

- Wrote 100+ page honors thesis about Improvisation in Classical Music Education
- Three programming courses: Introduction to Programming, Computer Science I, Data Structures

Skills

JavaScript | React | Next JS | Gatsby JS | Node | Express | Functional Programming
Docker | Postgres | Firebase | Highcharts | Ruby | Rails | Testing & TDD | HTML | CSS