Aaron **Kaplowitz**

Software Engineer
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Education

University of Massachusetts Amherst   **May 2017**
Bachelor of Science in Computer Science

Work Experience

Software Engineering Co-op   **June 2016 – August 2016**
Lutron Electronics (Coopersburg, PA)

- Design and implement major feature additions to Lutron's Android app
- Simplify the sprawling proprietary codebase by splitting portions into smaller libraries
- Contribute to daily scrums and work closely with onshore and offshore developers to ensure consistency between Android and iOS apps

Web Developer   **September 2015 - Present**
UMass Transit Services / PVTA (Amherst, MA)

- Enhance large and small Ruby on Rails projects by using Test Driven Development (TDD) to design, build, test, and deploy new features and bug fixes
- Spearhead and lead development on a hybrid mobile app for real-time bus tracking
- Collaborate with the 9-person team by pair programming and holding weekly code reviews

Information Technology Intern   **June 2013 – January 2015**
Facility Management Corporation (Pembroke, MA)

- Participated in strategic IT planning while acting as the main support contact for all employees
- Improved efficiency at all 25 locations by deploying a company-wide point-of-sale system to replace standard cash registers

Notable Projects

pvta-multiplatform - A mobile app for real-time bus information   **November 2015 – Present**

- Relies on REST endpoints and location services to help passengers find their next bus
- Built in Ionic/Cordova for a fluid iOS, Android, and web experience
- Successfully pitched to PVTA administrators as a modern replacement to the current app
- Includes only 1 line of PVTA-specific code so that other agencies can adopt it effortlessly

Molecular Playground – A web app for interacting with our world   **Spring 2016**

- Enables users to create and share animated molecules with others across the world instantly
- Replaces single-user, Mac-only solution with a website while including support for Kinect gestures
- Built in Docker containers as microservices for easy feature addition and removal

FoundIt - The new way to find your lost items!   **Fall 2015**

- Built in Express, Bootstrap, and ElephantSql
- Uses shortened URLs and profile pages to help a "finder" find and contact owners

Select Environments/Frameworks

- Angular, Bash, Express, Git, iOS, Jira, macOS, Node.js, Rails, Unix, Windows