# Tim Hall

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## Work Experience

### Current

**Apple**

*Web Tools/Quality Engineer* — 10/2016–Present

- Design, develop, and maintain web applications and Python scripts to automate data collection, information visualization, and analytics for use by Global Quality team to track effectiveness of quality initiatives and project impacts of product modifications
- Contribute to various internal Apple tools
- Collaborate cross-functionally with AppleCare, EE, ME, Production, Reliability, and Packaging teams to implement and track improvements on Beats headphone and speaker products

### Previous

**Apple**

*Software Quality Engineer* — 8/2014–10/2016

- Conducted usability tests on all new Beats products throughout all design and development iterations and phases
- Developed and managed Ruby on Rails application for creating and distributing surveys, which allowed for advanced features like skip logic, piping, and displaying graphical representations of response data

**Beats Electronics**

*Software Project Manager* — 4/2014–8/2014

- Designed and executed firmware-focused beta tests for Beats products, including the Pill+, Studio Wireless, Solo2 Wireless, and Powerbeats2 Wireless products to optimize user experience and test corner cases in real-world scenarios
- Worked with Software Quality Assurance team to conduct interoperability and comparison testing across all wireless Beats products

**Beats Electronics**

*Product Development Coordinator* — 7/2013–4/2014

- Led purchasing activities, managed product inventory, and facilitated vendor agreements for team of over 200 engineers
- Shadowed software developers and participated in code reviews to improve software engineering foundation

## Education

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|---|---|
| **Georgia Institute of Technology** | **1/17–Present** |
| *Computer Science, M.S. (OMSCS)* | |
| **Udacity** | **8/16–4/17** |
| *Frontend Web Development, Certificate received 4/17* | |
| **Stanford Online (Coursera)** | **6/16–8/16** |
| *Machine Learning, Grade: A* | |
| **American Society for Quality** | **11/15–12/15** |
| *Quality Engineer Course/Certification (CQE), Certificate received 12/2015* | |
| **University of Washington** | **1/15–10/15** |
| *Ruby on Rails Development (1-year program), Certificate received 10/2015* | |
| **UCLA Extension** | **9/14–12/14** |
| *Relational Database Design and Data Modeling, Grade: A* | |
| **MITx Online** | **6/14–10/14** |
| *Computer Science and Programming Using Python, Grade: A* | |
| **University of California, Los Angeles** | **9/05–6/09** |
| *Sociology, B.A.* | |

## Qualifications

**Certifications**: Ruby on Rails Developer (UW), Quality Engineering (American Society for Quality)

**Languages and Frameworks**: Ruby on Rails, Python, HTML/JS/CSS, SQL, Test Frameworks (RSpec, Jasmine, JUnit)

**Skills**: Design, Development, Testing, Usability and HCI, Database Modeling, Version Control/Remote Collaboration

## Projects

Full portfolio is available at thall17.github.io.