

Tim Hall

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Work Eperience

Current

Apple

Quality Engineer

10/2016–Present

- Develop and maintain Rails applications and Python scripts to automate data collection and visualization and improve communication
- Conduct failure analysis on customer returns to identify root causes, providing weekly reports to executive management
- Work cross-functionally with EE, ME, Production, Reliability, and Packaging teams to design and implement corrective actions

Previous

Apple

Software Quality Engineer

8/2014–10/2016

- Conducted usability tests on all Beats products throughout design and development phases
- Developed and maintained Ruby on Rails application for designing 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

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

El Camino College

11/15–12/15

Quality Engineer Certification Course (CQE), Certificate received 12/2015

University of Washington Online

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)

Programming Languages: Proficient: Ruby, Python, HTML, JavaScript, CSS, SQL; Knowledgable: C, PHP

Skills: Design, Development, Testing, Failure Analysis, Database Modeling, Version Control (Git)

Projects

Please view my full portfolio at thall17.github.io.