

Tim Hall

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Work Experience

Current

Apple

Customer Quality Engineer

10/2016–Present

- Build and maintain Rails applications and Python scripts to increase team efficiency, foster collaboration, and improve data visualization for Beats Global Quality team
- 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

08/2014–10/2016

- Conducted failure analysis on firmware-related field returns to identify root cause and implement corrective action
- Designed, developed, and maintained web applications used daily by engineering team to help track metrics and facilitate collaboration in a secure environment. Responsibilities included UI design, development (Ruby on Rails, JavaScript, HTML, CSS), MySQL database management, SSL web server configuration/maintenance, and backup management

Beats Electronics

Software Project Manager

04/2014–08/2014

- Designed and executed firmware-focused usability studies and 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

07/2013–04/2014

- 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

Computer Science, M.S. (OMSCS)

01/17–Present

Udacity

Frontend Web Development, Certificate received 04/17

08/16–04/17

Stanford Online (Coursera)

Machine Learning, Grade: A

06/16–08/16

El Camino College

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

11/15–12/15

University of Washington Online

Ruby on Rails Development (1-year program), Certificate received 10/2015

01/15–10/15

UCLA Extension Online

Relational Database Design and Data Modeling, Grade: A

09/14–12/14

MITx Online

Computer Science and Programming Using Python, Grade: A

06/14–10/14

University of California, Los Angeles

Sociology, B.A.

09/05–06/09

Qualifications

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

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

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

Projects

Please view my portfolio at thall17.github.io