TIM HALL
QA ENGINEER

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Seeking opportunities in the Bay Area, CA

SKILLS

QUALITY	PROCESSES	LANGUAGES	TOOLS
Black-box	Software development	Python	Ruby on Rails
White-box	HCI/UI/UX	Ruby	Matplotlib
TDD/BDD	Analysis and testing	Java	Pandas
RSpec/JUnit/Jasmine	Data modeling/DB admin	SQL	jQuery
Debugging	Version control/collaboration	HTML/CSS/JavaScript	UNIX shell scripting

EMPLOYMENT

Apple
Quality Engineer · Oct 2016 to Current

- Collaborate with AppleCare, SQA, Firmware, EE, ME, Production, Reliability, and Packaging teams to conduct failure analysis, identify root causes, implement corrective actions, and track improvements to Beats headphone and speaker products
- Design, develop, test, and maintain Ruby on Rails web applications and Python scripts to improve workflows, automate data collection and information visualization, and power analytics used by the Global Quality team to track effectiveness of quality initiatives and project impacts of product modifications

Software Quality Project Manager · Aug 2014 to Oct 2016

- Conducted user research, usability tests, and beta tests on all new Beats products throughout design, development, and post-launch stages
- Developed, tested, 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
Beta Testing Program Manager · Apr 2014 to Aug 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
- Conducted interoperability and comparison testing, and participated in code reviews for all wireless Beats products

Product Development Coordinator · Jul 2013 to Apr 2014

- Led purchasing activities, managed product inventory, and facilitated vendor agreements for team of over 200 engineers
- Supported software development/QA teams in software analysis processes

EDUCATION

Georgia Institute of Technology
MS Computer Science w/ Interactive Intelligence specialization, expected graduation 2019

Udacity
Frontend Web Development Nanodegree 2017

American Society for Quality
Certified Quality Engineer 2015

University of Washington
Ruby on Rails Web Developer Certificate 2015

MITx
Computer Science & Programming Using Python 2014

UCLA
BA Sociology 2009