

Madeleine Ewins

Systems Design Engineering

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EXPERIENCE

Engineer

Omni Projects Inc.

Summer 2016
San Francisco, US

- Developed robust test plans and coordinated product releases with software engineers, test engineers, product leads, and business development
- Performed manual and automated testing of iOS app, website, and API, which accelerated product releases by 3 weeks
- Created test cases to improve the fault-tolerance of the system

Project Manager

Freedom Brewery

Fall 2015
Abbots Bromley, UK

- Coordinated 6+ unique projects simultaneously, ranging from food quality and safety certification to sustainability
- Analyzed and proposed opportunities for implementing sustainability initiatives aimed at offsetting CO₂ emissions, and reducing energy consumption by 10%
- Communicated with internal and external stakeholders to define project requirements and scope

Applications Engineer

Broadcom Corporation

Winter 2015
Sunnyvale, US

- Created, optimized, and documented a **technical demonstration** to showcase at MWC and Computex, to improve marketing engagement with potential clients
- Continuously coordinated with stakeholders (PMs, industry partners, engineers, marketing) to assess the direction of the technical demonstration
- Developed and automated WLAN hardware and system performance testing

Product Manager

Broadcom Corporation

Summer 2014
Sunnyvale, US

- Documented test setups, coordinated and communicated test results to a wide range of people (engineers, customers, marketing) to improve product visibility
- Iteratively gathered customer feedback on a beta product, and implemented improvements, while supporting the customer and debugging issues
- Performed industry research and competitive analysis on Broadcom's WLAN product portfolio

Software Engineer

Integration & Test Engineer

Gridcentric Inc.

Fall 2013
Winter 2013
Toronto, CA

- Developed backend features for an OpenStack Cloud extension (C, Python)
- Added cloud usage monitoring to a dashboard extension (Django, jQuery Flot)
- Implemented internal automation test suite for software backend to improve robustness and reliability of test framework (Python)

Business Owner - Airbnb

Independent


2013 – 2015
Toronto, CA


- Converted an apartment space into a highly successful short-term rental unit on Airbnb (81% occupancy during tourist season)
- Responsible for booking guests, coordinating maintenance, and cleaning

SKILLS SUMMARY

- Proficient in project management: extensive team leadership and collaborative experience, versatile
- Highly effective verbal and written communication skills
- Python, C++, C, HTML, SQL
- Flask, Heroku, Postgres, OpenStack
- Experience with networking technologies (TCP/IP, OSI, iPerf), 802.11 WLAN standards, semiconductor schematics
- Working knowledge of the brewing process and brewery operations

PROJECTS

Juno  Waterloo, 2016-2017
a chatbot designed to educate people about their sexual health

SnackAttack  CopenHacks, 2016
an IoT snack cupboard that unlocks when you hit your fitness goals

EDUCATION

Systems Design Eng. BAsC Candidate
University of Waterloo, 2017

Engineering Study Abroad
Lund University, Winter 2016

AWARDS & ACHIEVEMENTS

3rd Place, CopenHacks, 2016
CES Broadcom Blog Squad, 2015
Winner, Broadcom Intern Hack, 2014
UW Dean's Honour List, 2013
UW President's Scholarship, 2012

INTERESTS

rock climbing
people-watching
advocating for lager