Owen Martin | Information Scientist

166 Broadway Apt 3 – Somerville – MA

☎ 303 325 6880 • ✉ owen.martin@hitachivantara.com • ⊕ owingit.github.io

"The place to improve the world is first in one's own heart and head and hands, and then work outward from there." -Robert Persig

Software engineer specializing in product quality, holistic design, and team communication. Lifelong learner and futurist with a passion for data science, genetics, and artificial intelligence. Known to cook, climb, and catch frisbees.

Experience

Hitachi Vantara — **Waltham, MA**
Software QA Engineer, Hitachi Content Platform - Anywhere — *August 2017 - Present*
- Improved quality best practices through design and implementation of new test tracking and review features for in-house website
- Proven expertise in black box/grey box/white box testing, root cause analysis, regression and ad hoc testing, and test plan design
- Raised the standards of test automation by interfacing with the automation team to address test coverage concerns

Tufts University — **Medford, MA**
Teaching Assistant, Data Structures — *January 2015 - May 2017*
- Tutored students in asymptotic complexity, data structures concepts and applications, and programming fundamentals
- Designed and deployed a new style of homework grading wherein students demonstrate their knowledge of sorting algorithms in a one-on-one setting with other TAs and instructors
- Hosted collaborative grading groups with other TAs to improve the CS department's grading consistency, transparency, and accountability

University of Colorado — **Boulder, CO**
Research Assistant — *May 2015 - August 2015*
- Designed an experiment to test levels of antibiotic resistance in the local watershed
- Built and deployed an interactive website to raise awareness of antibiotic resistance and its systemic cause
- Educated citizen scientists wishing to continue my efforts by writing reproducible experiment steps

Education

Tufts University — **Medford, MA**
Bachelor's of Science, Computer Science — *2013–2017*
Relevant Coursework: User Interface Design, Data Mining, Algorithms, Artificial Intelligence, Data Structures, Computational Theory, Web Programming, Computational Biology, Linear Algebra, Multivariable Calculus, Discrete Math, Linear Models in R, Structure and Function of Complex Networks, High Dimensional Data Analysis in R

Technical and Personal skills

○ **Programming Languages:**
1. Development: Python, Java, C++, PHP, SQL
2. Data Analytics: Python, R, Processing
3. Visualization: LaTeX, HTML, CSS, ggplot2, matplotlib

○ **Industry Software:** MS Office; *nix; shell scripting; JIRA; Confluence; Github; Docker; Jenkins; cloud computing architecture

○ **Teamwork:** Excellent communication skills; bridging between levels of expertise; stretching to improve and assess my own functional role; organization and attention to detail

Research

○ **International Migration Research, Tufts International Development Hackathon, 2015**
- Asked questions of the technological development process and how it can best help refugees in Lesvos, Greece