ANDREW WILSON

+1 (508) 826-5524 • anddwilson@gmail.com • github.com/andwilson

---

TECHNICAL SKILLS

Data science: R (tidyverse, data.table, ML libraries), Python (pandas, numpy, matplotlib, Jupyter), SQL, Excel/VBA, APIs, Git
Front end: JavaScript, HTML, CSS, React, Node.js, GatsbyJS, styled-components, D3.js, Photoshop, Balsamiq, Git

WORK EXPERIENCE

Silverthread   *Data Product Engineer*   *December 2016 – December 2017*
- Designed and built the front end for the first revenue-generating product, the CodeMRI Design Quality Assessment
- Transformed raw outputs from the backend in Python to fully automate the process of custom report generation
- Conducted customer discovery that informed the product portfolio, and built several new data product prototypes
- Worked remotely for 6 months, learning to collaborate effectively using version control and video conferencing

Endeavour Partners   *Consultant*   *July 2014 – May 2017*
- Designed and built more than ten complex models using a combination of R, JavaScript, and Excel/VBA, including:
    - A customer lifetime value model for a top-tier smartphone manufacturer that assessed hundreds of scenarios
    - A Monte Carlo model to assess an alternative offshore oil field methodology using data on actual offshore fields
    - A sentiment analysis that involved scraping thousands of smartphone reviews and plugging into NLP APIs
- Built numerous slides on technology analysis, business ecosystem mapping, and market entry for strategy projects
- Performed outreach and conducted informational interviews with more than 50 technology industry experts
- Completed two company-wide SaaS migrations, pulling existing data across and building new dashboards
- Assisted the CFO by aggregating disparate data, automating financial reporting, and building financial analysis tools
- Trained employees on topics including Excel, modeling, visualization, web scraping, APIs and software architecture

Endeavour Partners   *Research Assistant Co-op*   *July 2013 – February 2014*
- Researched and presented an in-depth review of the state of app development, devops, and data analytics tools
- Contributed visualizations and technical writing to all expert witness reports, and automated common research tasks

Bluestone Energy   *Energy Audit Co-op*   *July 2012 – January 2013*
- Developed a database and graphical user interface to track and manage inventory of data loggers and sensors

Free Flow Power   *Supply Chain Co-op*   *July 2011 – February 2012*
- Engaged over 100 subsea experts to collect data and build a cost model for a hydrokinetic power generation project

Ski Ward Ski Area   *Snowboard Instructor*   *Winters 2004 – 2012*
- Coached snowboarding at all skill levels, managed lesson allocation, and led the Instructor Training Course

---

EDUCATION

Northeastern University – Boston, MA   *May 2014*
Bachelor of Science in Industrial Engineering
GPA: 3.4
- **Courses:** Human-Machine Systems, Information Systems, Database Systems, Digital Simulation, Stochastic Modeling, Manufacturing Systems, Quality Assurance, Operations Research, Logistics & Supply Chain, Engineering Economy, Microeconomics, Impact Investing, e-Commerce, Thermodynamics, Electrical Engineering
- **Activities:** Downhillers Ski Club (President), Resident Assistant, Study Abroad in Australia and Peru, Institute of Industrial Engineers (Treasurer), Entrepreneurs Club, Social Enterprise Institute, Model UN, Intramurals
- **Honors:** Honors Program, Dean's List, Dean's and Legacy Scholarships, Engineers for Greater Good Grant Winner

Independent Study – Online   *2014 – Present*
MIT Professional Education: Data Science – Data to Insights (awarded certificate), Nuts and Bolts of New Ventures
Coursera: Data Science Specialization (John Hopkins), Andrew Ng Machine Learning (Stanford), Model Thinking (UoM)
Udemy: Python Bootcamp, React Web Developer, Node.js Developer, Machine Learning A-Z, Data Science Bootcamp
Udacity: The Web from Python, Shell Workshop, Configuring Linux Web Servers

---

PROJECT & VOLUNTEER WORK

- Work closely with five ventures as a startup coach through Northeastern University's IDEA Accelerator
- Build digital tools to assist the Venture Cafe Foundation with events and office hours; bartend at Cafe nights
- Conducted and presented two strategic pricing analyses using R and markdown for a private equity company
- Built websites: RSClark Leadership, JoshMeetsComputer, Atlantic Whale Foundation, FPS Dental, Downhillers
- Optimized inventory management procedures and floor layout at WeGotSoccer to reduce picking time by over 50%