BRADEN MITCHELL FINEBERG

214.514.9299 • braden.fineberg@gmail.com • bradenfineberg.com
3925 Walnut Street, APT #1400, Philadelphia, PA 19104

With my Wharton Operations and Systems Engineering background, I have crafted a study path that enables me to build analytic decision models. My excitement for data comes from asking the question "now what?" and my drive comes from operationalizing those findings in a company. As an intern, I hope to make an impact by improving existing processes with data driven solutions.

EDUCATION

University of Pennsylvania **Philadelphia, PA**	M. Sc. Eng.: Data Science GPA: 3.8/4.0	Expected May, 2019
University of Pennsylvania **Philadelphia, PA**	B. Sc. Eng.: Systems Science and Engineering Minor: Mathematics, Engineering Entrepreneurship Selected Coursework: Advanced Decision Models, Probability, Statistics, Data Structures, Risk Modeling, Stochastic Modeling GPA: 3.5/4.0	Expected May, 2019
School for the Talented and Gifted **Dallas, TX**	GPA: 3.9/4.0 SAT: 2240, 780 Math/ 740 English 23 AP Courses with 60+ credit hours	With Honors, June 2015

EXPERIENCE (references available upon request)

Tesla, Inc – *Data Science Intern, Energy Market Optimization*   San Francisco, CA
- Build algorithms and predictive models to optimize performance of commercial batteries   May 2018 - Present
    - Developed an algorithm selection engine that improved site performance by 8%-15%
    - Improved the baseline forecaster algorithm through increased pre-processing and dimensionality reduction
    - Built an error classification algorithm, boosting manufacturing yield to 96%+
    - Created a full stack prototype UI for a commercial product to be released in 2019

Matterport – *International Initiatives Intern, International Sales*   San Francisco, CA
- Assist teams with business development and strategy to spur international growth   May 2017 – May 2018
    - Developed internationalization roadmap for future international opportunities
    - Created an optimized enterprise pricing model, currently in use
    - Built internal data visualization dashboards
    - Generated React Native, web-based, business intelligence tools for the sales teams
    - Compiled competitor intelligence briefs

Sunlight Capital – *Market Analyst Intern*   San Francisco, CA
- Aided in deal sourcing, deal filtering, and transaction execution   January - March 2017

Valify, Inc. – *Business Analyst Intern*   Dallas, TX
- Analyzed industries and spending patterns common to hospital purchased-services   July - August 2016

LEADERSHIP EXPERIENCE AND ACTIVITIES

ESE 111: Intro to Systems Engineering, OIDD 761: Risk Modeling and Management – *Teaching Assistant*	2017–Present
Wharton Risk Center – *Research Assistant*	2017–Present
Penn Innovation Center Venture Club, Executive Board - *Start-up Chair*	2015-2017
Penn Lightweight Varsity Crew Team	2015-2017
Pincus Jewish Renaissance Project, Hillel– *Fellow*	2015-2017

HONORS

Dean's List	2015-2016
National AP Scholar	2015, 2014
National Merit Commended Scholar	2013
Nominee for the Manfred Altman Memorial Award for initiative, innovation, and ingenuity	2017

Programming Skills: Python, React Native, React JS, JAVA, OCAML, SML, MATLAB, Arduino, JavaScript, HTML/CSS, git
Interests: Business efficiency and optimization research, human decision systems, Spanish, Scuba Diving, Bartending