

## Highlights

- Celebrated history as a servant leader, able to make hard decisions employing custom developed data-driven tools
- Led founding of data-focused digital learning company
- Technical Project Manager for home automation app launched in 14 countries and 16 languages
- Consultant for Visa internal analytics platform - over 3 years of professional data analytics experience
- San Diego Data Library Data Science Hackathon Winner, 2015 - over 5 years of applying data science skills
- Developed Interactive Online Data Dashboard for up-to-the-minute insights - saving clients tens of thousands a year

## Education

- University of California San Diego, UCSD – Bachelor of Science in Cognitive Science: 2013, Provost Honors
  - Emphasis in Natural Computation & Machine Learning
- University of California San Diego, UCSD - Applied Mathematics: 2013

## Experience

### PROJECT MANAGER TECHNICAL CONSULTANT, DIGITAL FOUNDRY – 2015 - SEPT 2016

- Led multiple teams on companies largest contract using agile operations as a certified scrum master
- Organized cross work stream development, navigating dependencies for a data-centric mobile-web application
- Conducted solution design and implementation of internal benchmarking and analytics system for used for top global credit issuers by largest global payments technology company

### PRODUCT & SOLUTIONS, IRHACKER 501(C)3 – 2012-2015

- Led hardware, software, product, agile, lean and investment workshops at university forums
- Cultivated community participation in economically symbiotic academic and corporate relationships
- Invented with public organizations such as IEEE, UCSD, Qualcomm Institute, Mainly Mozart and Calit2 in the development of novel applications of technology through contemporary academic and research discoveries

### DATA ANALYST, SMASHAPPS LLC – 2012-2014

- Conducted extensive analytics on educational data to develop a contextual information system which was used to identify and design a core product value structure
- Modified and tested machine learning algorithms to observe, assist and learn about students using our tools in order to provide real-time feedback as users took notes and participated in class
- Integrated a multidisciplinary approach using Cognitive Neuroscience, Natural Computation / Machine Learning and Applied Math approach to solve difficult education problems with modern technology
- Conducted research, wrote a business plan, and successfully courted venture funding from capital firms

### RESEARCHER & PRODUCT DEVELOPER, QUALCOMM INSTITUTE CALIT2 – 2012-2013

### ETHNOGRAPHER, UCSD HILLCREST MEDICAL CENTER – 2011

### RESEARCHER & PRODUCT DEVELOPER, LSAMP / CAMP SUMMER SCHOLAR – 2011

### TEAM LEAD & HUMAN-FACTORS ENGINEER, TIES GLOBAL OUTREACH – 2010

## Skills & Experience

- Programming Languages and Platforms by experience:
  - Data Science, Analytics, Visualization and Interactive Dashboards:
    - R, RStudio, [Shiny & Shiny Server](#), [chart.io](#), [flexdashboards](#) [htmlwidgets](#), [Plotly](#), Tableau, Python, Numpy, Pandas, Scikit-Learn, [Jupyter](#) & [iPython](#), Matlab, [Processing](#)
  - Tools & Other:
    - Docker, Swift, Obj-C, C, Arduino
- Leadership: design of purpose and ownership into each team member's role
- Adaptable: highly motivate autodidact who embraces challenges in the pursuit of knowledge and experience
- Problem Solving: the ability to apply principles from one or more domains to find uniquely suitable solutions

## Accomplishments & Awards

- Certified Scrum Master
- Data Science Specialization Certification from Johns Hopkins Bloomberg School of Public Health
- Winner of the 2015 San Diego Data Library Data Science Competition 2015
- President '12, VP '11, Professional Liaison '10 of Cognitive Science Student Association
- Honorable Recognition for Neuro-Electrophysiology research and presentation at 2012 LSMAP Research Symposium at UCI
- Certificate of Excellence in the presentation of Brain-Computer Interface research at 2011 Summer research conference
- Jacobs Scholar and certificate of completion along with most likely to change technology for Calit2 Summer research program
- Best Presentation for "hacking the brain" research and presentation at the 5th Annual Cognitive Science Conference