

Sebastian Dobon

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Personal Website: sdoon.github.io

Education

Northwestern University, Evanston, Illinois

Class of 2019

McCormick School of Engineering, **Computer Science** Major,

McCormick Theme in “Exploring the Human Experience”

- **3.86 GPA**
- **Evans Scholarship** – Selected as one of 200 caddies nationwide for full tuition and housing scholarship based strong caddie performance and academic success
- Courses in advanced algorithms, data structures, machine learning, AI, robotics, agile development, user-centered design, data science
- Baja SAE Automotive Team, Music Production Club

American School of Dubai, Dubai, UAE

2012-2013

- Experienced a diverse teacher and student body, as well as a great diversity of residents in a technologically booming country

Work Experience

Product Manager Intern, IAA

Summer 2018

- Introduced user testing at the organization by piloting a usability study
- Owned a dependency of a key strategic project affecting all users by working with a team of 10 developers and gathering user data for support and marketing teams
- Expanded knowledge of customer behavior through research and creating Tableau data visualizations
- Identified 2 major bottlenecks in customer purchasing flow and proposed a streamlined vision based on usability study and google analytics user data
- Promoted user-centered design thinking principles and data-driven decision making

Research and Development Intern, CCC

Summer 2017

- Reduced data annotation tool development time by 75% for machine learning and data science teams by owning and building a modular annotation framework
- Wrote user stories after gathering requirements from stakeholders in different departments

Full Stack Web Developer Intern, Max-Grad

Summer 2016

- Reduced customer on-boarding time by 90% with an MVC single page application

A-Caddie, Medinah Country Club

2010-2015

- Predicted customer needs and acted to provide an enjoyable experience
- Ensured quality of new caddies by assisting with caddie training program

Projects – sdoon.github.io

- *Pvmnt 2.0* – An online space for students to discover events on campus. Intelligently recommended events using graph traversal algorithm.
- *Machine Learning Robot Localization* – Autonomous robot uses machine learning to locate itself in the world more accurately than traditional methods
- *Schooling Fish Research* – Quantitatively tested the “Many eyes hypothesis” of why fish school using multi agent modeling
- *NICU Alarm Reducer (Lurie Children’s Hospital)* – Proposal for enhancements that would reduce alarm volume by 60% at the Neonatal Intensive Care Unit at the Lurie Children’s Hospital. Demo built in Python and Arduino

Skills

- Proficient in **Python**, JavaScript (Angular, Node.js, Express), SQL
 - Experience with Git, Unix, AWS, C++, ROS, Arduino, TensorFlow
 - Tableau, Apache Spark/Databricks, Google Analytics
 - User Research, Data Interpretation, Data Visualization, Visual Communication, Public Speaking
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Personal

- *Team Captain* **Relay For Life** 2013 & 2014
 - Raised over \$1,000 for the American Cancer Society
 - Organized 10-person teams in fundraising and event coordination
- Golf
 - Team captain, Three time state finalist, One time sectional champion (High School)
 - Illinois Junior Golf Association- 3 Tournament wins 2014, Player of the Year Champion 2010
- Speech team state finalist, Math team state finalist, Chess team state finalist
- Dual citizenship in United States and European Union