

# Sebastian Dobon

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Website: [sdobon.github.io](https://sdobon.github.io)

## Education

**Northwestern University**, Evanston, Illinois

Anticipated Graduation 2019

**McCormick School of Engineering**, Bachelor of Science in Computer Science,

McCormick Theme in “Exploring the Human Experience”

- 3.86 /4.00 GPA
- Courses in advanced algorithms, data structures, machine learning, robotics, AI, agile development, user-centered design, data science
- Evans Scholarship Recipient – Selected as one of 200 caddies nationwide for full tuition and housing scholarship based on strong caddie performance and academic success
- Baja SAE Automotive Team, Music Production Club, Intramural Volleyball, Hockey, Dodgeball

**American School of Dubai**, Dubai, UAE

2012

**Fenton High School**, Bensenville, Illinois

2011-2015

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## 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; Worked with a team of 10 developers and gathered user data for support and marketing teams
- Expanded team’s knowledge of customer behavior through research and creating Tableau visualizations
- Identified two 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

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## Projects – Website: [sdobon.github.io](https://sdobon.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
- *NICU Alarm Reducer (Lurie Children’s Hospital)* – Enhancements that would reduce alarm volume (and nurse stress) by 60% at the Neonatal Intensive Care Unit at the Lurie Children’s Hospital. Demo built in Python and Arduino

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## 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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## Interests

- *Team Captain, Relay For Life*: Organized 10-person teams in fundraising for American Cancer Society
- Avid Golfer: Competitive player for 15 years, Three time IHSA State Finalist, One time IHSA Sectional Champion