

Christopher Spencer Buja

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Skills:

- Knowledge of theory and practice of applying machine learning, artificial intelligence, and statistical methods
- Software development in JavaScript, jQuery, D3.js, Node.js, HTML, Python, Flask, C++, SQL, CSS

Education

University of Michigan

Ann Arbor, MI | April 2016

Bachelor's Computer Science - Engineering

Computer Science GPA: 3.526/4.0 , Active Leadership on Artificial Intelligence Club called [MSAIL](#)

Relevant Coursework

Probabilistic Graphical Models - Representation , Introduction to Machine Learning, Introduction to Artificial Intelligence, Web Databases and Information Systems, Data Science for Medicine, Higher Theory of Statistics

Work Experience

Program Manager, **Microsoft**

Seattle, WA | Summer 2016 - Current

- Plan and carry out statistical analysis, visualization, data engineering, and machine learning for the Windows 10 Engineering Systems team.
- Planned and rolled out Agile scrum project management to development team, which had no project management system for whole year before I joined. Significantly improved team's deliverable velocity.

Undergraduate Machine Learning Research Assistant, **University of Michigan**

Ann Arbor, MI | Summer 2016

- Built model with combined approach of convolutional neural networks and conditional random fields to segment images of human cuts and wounds with 97.9% accuracy, a statistically significant improvement compared to state of the art methods.
- Built phone app in React Native to take photos and segment images of wounds, using model above.

Introduction to Artificial Intelligence Grader, **University of Michigan**

Ann Arbor, MI | Winter 2016

- Graded assignments for this upper level course, solidifying my own understanding of AI topics, including search, constraint satisfaction, planning, uncertainty and probability, and machine learning.

Program Management Intern, **Microsoft**

Seattle, WA | Summer 2015

- Created dashboards and models for engineering systems (ES) team in Windows Devices Group (WDG) using AngularJS, and C# to detect outliers in infrastructural data sets.

Data Science and Web Development Intern, **12 Labs**

San Francisco, CA | Winter 2015

- Created Loki, a product written in Python and Node.js that automatically identifies the most effective social media campaigns of businesses, using topic modeling and machine learning.

Software Engineering Intern, **Salesforce**

San Francisco, CA | Summer 2014

- Made data visualizations by creating graphing library, using D3.js and D3 plugins and modeled with React and Backbone, for almost real-time data stream built upon set of Apache Storm topologies.

Front-End Developer, **Full Circle CRM**

San Mateo, CA | Summer 2013

- Wrote complete front-end for [Easy Campaign Member Status](#) on Salesforce Platform. Annual service sold for \$650/yr to Google, Heroku, and 6 other companies. Rated 5/5 Stars.