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# Nicholas P Williams

## Software Engineer

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[LinkedIn](#)  
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### About Me

Software engineer with a passion for making AI interactive. I have both full-stack web development and machine learning expertise. I'd love to join your team and solve hard problems together.

### Skills

#### Web Development

- Javascript
- React
- Node
- Express
- PostgreSQL
- Responsive Design
- Deployment

#### Machine Learning

- Tensorflow
- Deep Learning, Clustering, Regression
- Data Manipulation (SQL, Pandas)
- Productionize Research Papers
- Exploratory Data Analysis and Cleaning

#### Other

- Python
- C++
- Git
- Agile Methodology
- Continuous Integration
- Unit Testing

### Experience

#### Better Bookmarks Chrome Extension - *Tech lead, Scrum Master*

Summer 2020

- Lead a team of 4 software engineers using agile scrum to build a bookmark organizer.
- Trained and deployed a natural language processing model to auto-predict bookmark categories for any website.
- Made our bookmark organizer available in the Chrome Web Store where real users can download it.

#### Whale Recognition Research Project - *Machine Learning Engineer*

Winter 2020.

- Trained a model to recognize individual whales in under 1 second, thereby solving a major problem for Marine Researchers.
- Adapted a common facial recognition deep learning architecture to recognize individual whales given an image of their tail.
- Performed exploratory data analysis, cleaning, and cropping on a dataset of 25,000 images.

### Education

**University of California Santa Cruz** - *Computer Science Bachelors, June 2022*