

# Adam Abdulhamid

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## Professional Experience

### ***Cruise Automation, Trajectory Planning Team***

*Staff Machine Learning Engineer*

February '23-Present

- Promoted after 1 year and transitioned to working on the ML Planning domain.
- Created a new ML system from idea to shipment, delivering the first version and continuing as the overarching tech lead. This project has stakeholders across several different orgs
- My responsibilities include: technical direction, plan, and execution, high level project priorities, resource management and negotiation with partner teams.

### ***Cruise Automation, Prediction Team***

*Sr. Machine Learning Engineer II*

November '21-February '23

- Promoted after 6 months for demonstrating great execution, technical rigor, and ownership
- Shifted towards larger scope projects, including ML research impacting several prediction models
- Shipped one improvement adopted by several teams, akin to SOTA research papers published in trajectory prediction literature
- Collaborated directly with Principal/Distinguished engineers on broad projects and roadmaps

*Sr. Machine Learning Engineer I*

June '21-November '21

- Responsibilities included ownership of all things related to prediction of bikes, including building our roadmap and execution of model shipments.
- Navigated requirements across partner teams including upstream signals (Perception), downstream consumption (Planning & Controls), product teams, and engineering leadership

*Machine Learning Engineer*

September '19-June '21

- Joined Cruise's Prediction team, helped ship several improvements across the Prediction system.

### ***LinkedIn***

*Sr. Software Engineer - AI Computing Foundations Team*

December '18-September '19

*Software Engineer - Machine Learning Algorithms Team*

August '17-December '18

- Developed infrastructure and tools to support easy, fast, and scalable ML model iteration
- Experience developing applications with Spark, MapReduce, TensorFlow

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## Teaching Experience

### ***Stanford University***

- Course Assistant - CS221 (Introduction to Artificial Intelligence) Fall '16
  - Help develop assignments and grading scripts, teach sections and hold office hours weekly
- Teaching Assistant - CS106A (Introduction to Programming Methodology) Fall '14
  - Teach weekly sections on CS fundamentals and grade homework on functionality and style

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## Education

### ***Stanford University***

- Computer Science BS - *Artificial Intelligence concentration* (3.7 GPA) June '16
- Computer Science MS - *Artificial Intelligence concentration* (3.851 GPA) June '17

### **Relevant Coursework:**

Artificial Intelligence	Deep Learning for Computer Vision	Probabilistic Graphical Models
Deep Learning for NLP	Social Network Analysis	Principles of Computer Systems
Machine Learning	Robotics and Mechatronics	Algorithms Analysis

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## Athletics and Awards

### ***Stanford University Varsity Water Polo - NCAA Division 1***

Fall '12,'13,'14,'15 Seasons

- Balance 20+ hours of practice/competition per week on top of rigorous academics
- Demonstrate ability to work well in a team system to achieve team goals
- NCAA Academic All American

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## Technical Skills

- Python, C++, Java, TensorFlow, Spark, Git, Kubernetes

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## Nontechnical Skills

- Adaptability, Critical Thinking, Organization, Communication, Attention to Detail