

Jacob Miller

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Software Engineering position at Tesla, specifically working on autopilot

Education

University of Illinois at Urbana-Champaign, School of Engineering GPA 3.72/4.0
Bachelor of Science in Computer Science (May 2020)

Technical Skills:

Java	Python	C/C++	Verilog/MIPS
HTML5	JavaScript	node.js	WebGL/GLSL
D3/Vue	PHP	scikit-learn/Keras	TensorFlow
Java ServerPages	SQL	Solr/Solr-cloud	PsychoPy

Work Experience

Product Development Intern, SAP Fieldglass *Naperville, June 2018-August 2018*
- Developed search engine interface and indexing tools.

Operations Intern/Developer, Dealer Inspire *Naperville, June 2017-January 2018*
- Researched machine learning and backend for innovative automotive websites

Senior Software Developer, Realty Cool *Naperville, May 2017-June 2017*
- Developed Android apps, designed iconography, managed user testing

Coach, Naperville Gymnastics Club *Naperville, January 2016-January 2017*
- Coached Ninja classes (ages 5-13), built equipment to be used in classes

Noteworthy Courses

CS 446: Machine Learning	CS 465: User Interface Design (Team)
CS 233: Computer Architecture	CS 241: System Programming
Stat 400: Statistics and Probability	CS 374: Algorithms/Models of Comp
Chinese 1-3	Phys 213/14: Quantum/Thermo Physics

Special Projects

- "Blinded by Irrelevance" - psychology experiment interface (Python and Javascript)
- MechMania Artificial Intelligence Hackathon: Real-Time Strategy Game Controller
- Fourier Image Analysis and Reconstruction with javascript and HTML5 canvas
- Member, American Computer Science League (ACSL) International Competitions

Honors

Dean's List, University of Illinois College of Engineering
James Scholar, University of Illinois at Urbana-Champaign
National Merit Scholar, Illinois State Scholar, Indian Prairie Scholar (District)