

Nico Cereghini

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Education

Bachelors, Ira A. Fulton Schools of Engineering, Software Engineering

(Expected) May 2023

Arizona State University

3.9/4.0 GPA

- Barrett, the Honors College
- Grand Challenge Scholars Program

Technical Skills

- **Languages:**
 - Java, Python, C, C++, Swift, JavaScript, MySQL
- **Libraries:**
 - Tensorflow, Keras, BeautifulSoup, NumPy, JavaFX, React, Node.js, Pandas
- **Other Skills:**
 - Github, Anaconda, Jupyter, VSCode, Clion, IntelliJ, Linux OS, Computer Pipelines

Extracurriculars

Digital Systems Principle Engineer, Sun Devil Motorsports Formula-Electric

August 2020-Present

- Serving in a leadership role in an engineering organization with 50 members and a \$20k annual budget
- Established partnership with self driving division at Amazon Web Services to assist in self driving research and testing for the club.
- Worked with the Grounded Low Voltage team to program components for the vehicle such as the motor controller.

Projects

Recipe Scaler Program, Bon Hacketit Hackathon by Major League Hacking

October 2020

- Assembled and led a 3 member team to develop a JavaFx program that takes a recipe input and changes ingredients to feed a specified amount of people.
- Implemented version control and Model View Controller design to delegate work and efficient progress
- Working prototype completed in 2 days.

Text Based Java Checkers Program

March 2021

- Performed Personal Software Process throughout development of program, monitored defects and time management of development
- Utilized Object Oriented Programming with data structures to decompose the game into multiple classes.
- Designed a plan for the system using functional and structural models (UML class diagrams, functional models, pseudocode, etc)

Certificates

- Neural Networks and Deep Learning (Coursera)
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization & Optimization (Coursera)
- Structuring Machine Learning Projects (Coursera)
- Convolutional Neural Networks (Coursera)

Work Experience

Subject Area Tutor, Arizona State University, Mesa Arizona

December 2020 - March 2021

- Leading Computer Science and Software Engineering students in 1 on 1 help sessions
- Upholding the image of the University and respecting all students
- Considering the interest of the student when tutoring, and ensuring an inclusive environment.