Nicolas Winsten

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Education

University of Arizona, College of Science

Major: Computer Science, Class of 2021   **GPA: 4.0/4.0**

Accelerated Master's Program: Computer Science, Fall 2021

Highest Academic Distinction 2018 – 2021

Completed 90 consecutive class credits at the University of Arizona with a 4.0 GPA

Skills Summary

- Scala, Java, Python, C, Ruby
- SQL, Flask framework
- 3D modeling, Epilog laser printing
- Arduino microcontrollers
- Unity game engine
- Prolog, Haskell

Employment

University of Arizona Computer Science Tutor Center, Feb 2020 – Jan 2021

- Tutored university students in a wide range of computer science concepts

University of Arizona SALT Center, Feb 2019 – Dec 2019

- Tutored university students with learning difficulties in math and computer programming
- Developed skills in reframing concepts and adaptable teaching methods to accommodate variety of students with differing difficulties and learning styles

Relevant Coursework

- Computer Programming in Engineering Applications
- Theory of Computation
- Web Programming
- Cloud Computing
- Analysis of Algorithms
- Software Development
- Computer Organization
- Systems Programming and Unix
- Database Design
- Compilers
- Text Retrieval & Web Search

Relevant Project Experience

WikiRacer, https://github.com/NicolasWinsten/wiki-racer

- Devised an algorithm utilizing A* search and other heuristics that can build paths between Wikipedia pages in seconds

WebViz, https://github.com/NicolasWinsten/web-viz

- A force-directed visualization of graph data that the user can interact and traverse through