Jackson Hineman

Software Developer | Engineer | Python specialist

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EXPERIENCE

Texas A&M, Galveston TX — *Programming Languages TA*

AUGUST 2025 - PRESENT

Tutored, graded, and consulted for work and questions concerning the Programming Languages (CSCE314) class.

Official Python Community, Online — *Mentor, tutor, open source contributor*

NOVEMBER 2020 - PRESENT

Avid involvement within an established community of over 400,000 members including 1000+ hours of (free) tutoring, mentoring, collaborative work and discussion.

Self Study

AUGUST 2025 - PRESENT

Tutored, graded, and consulted for work and questions concerning the Programming Languages (CSCE314) class.

EDUCATION

Texas A&M, Galveston TX — *Computer Science BA*

AUGUST 2023 - PRESENT (Expected grad. December 2027)

Additionally plan to enroll in a 1 year master's degree following the completion of the BA in 2027. Expected to complete education in Fall 2028.

Theodore Roosevelt High School, San Antonio TX — *High School Diploma*

AUGUST 2019 - MAY 2023

PROJECTS

Flappy Bird Neural Network — *Machine Learning*

Uses neural networks and training algorithms to efficiently teach a model how to play the mobile game Flappy Bird. NumPy and PyGame used for matrix math and graphics respectively, all other components built from scratch.

SKILLS

Extensive Python Experience

Neural network, AI and machine learning knowledge

Strong grasp of foundational programming concepts

Proficiency in several languages (Java, JS, C#, Ruby, OCaml, Racket)

Able to quickly learn new languages, concepts and libraries

AWARDS

First place medalist in CSUIL (High School competitive programming event)

Infinite Game of Life (Conway) — *Computer Graphics & Algorithm Visualization*

A visualizer for the cellular automata described in Conway's Game of Life. Simulates an infinite space and manipulatable camera with pure math and no libraries other than PyGame to display output. Maintains performance at high stress despite being written in Python.