Raymond Nucuta

CS @ASU, Sophomore, 3+1 Program

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SKILLS/TECHNOLOGIES

Python; Java; C & C++; MATLAB; JavaScript; React.js/Material UI; Node.js; Blockchain Contracts/Technologies; Computer Vision & ML; 3D Printing.

EXPERIENCE

ASU Biodesign Institute, Tempe AZ - *Undergrad Research Pos.*

MAY 2022 - AUGUST 2022

- Programmed binary classifier for DNA Origami research.
- The research paper will be published soon, 3rd author.

TGEN, Phoenix, AZ - *Bioinformatics Intern*

MAY 2020 - AUGUST 2020

- Used statistical methods alongside Python to research epigenetic sexual differences in brain cancer (GBM).

Systems Imagination, Tempe AZ - *AI Intern*

MAY 2019 - AUGUST 2019

- Developed *Zero-Shot Concept Learner* for use in drone applications to perform inferences using visual concepts.
- Learned about computer vision and cutting-edge ML theories of concept learning.

EDUCATION

Arizona State University, Tempe AZ - *Computer Science 3+1 (BS + MS)*

AUGUST 2021 - PRESENT   3.56 GPA

Barrett, the Honors College. Major Classes include CSE 230, CSE 240, IEE 380, CSE 310, CSE 365. Active in Sun Devil Satellite Laboratory, Engineers without Borders, and Linux Users Association.

BASIS Scottsdale, Scottsdale AZ - *High School*

AUGUST 2016 - MAY 2021   3.97 GPA (unweighted), 4.87 (weighted)

Distinguished Honor Roll, AP Scholar with Distinction.

PROJECTS

Aug. 2022—**BonaFyde**, developing an NFT smart contract using the ERC721Psi protocol for authenticating sneakers. In progress.

Jul. 2022—**Paychex Reporter**, developed timesheet comparison desktop software to find overcharges for *Kronos Consulting, LLC.*

Aug. 2021—**Ecotivity, LLC.**, developed an iOS app to gamify recycling around college campuses by providing rewards with monetary value. No longer active.

Mar. 2020—**Auxilio**, personal research using ML and GTrends data to predict valley fever incidence rates in AZ.

AWARDS/PUBLICATIONS

May 2022—**Dean's List**, *Arizona State University.*

May 2021—**National Merit Scholar**, *National Merit Scholarship Corporation*.

Jan. 2021—**Predicting Orbital Resonance of 2867 Šteins Using the Yarkovsky Effect**, *Journal of Emerging Investigators.*

Mar. 2018—**Eagle Scout**, *Boy Scouts of America.*