

Jacob Pacheco

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EDUCATION

Stonehill College | Easton, MA

Anticipated Graduation: May 2024

Candidate for Bachelor of Science Degree

Major: Computer Science | GPA: 3.33

Awards: Stonehill Presidential Scholarship, Stonehill Track Scholarship

SKILLS

Programming Languages: Python, C++, Java, JavaScript

General Skills: Windows, Linux/Shell, Visual Studio, Power BI, Tableau, Flask, GitLab, Adobe, Debugging, Website/UI/Program Design

RELEVANT COURSEWORK

Artificial Intelligence, Machine Learning, Cybersecurity, Web Programming, Theory of Computation, Algorithms & Complexity, Computer Logic and Organization, Data Visualization, Discrete Mathematics, Calculus, Statistics, Data Structures, Operating Systems

WORK EXPERIENCE

Teaching Assistant, Introduction to Programming

January 2023 – Present

Stonehill College | Easton, MA

- Guided and supported 20+ students in program development
- Facilitated review sessions, office hours, and assignment grading with feedback
- Served as a point of contact for student inquiries and course material assistance

Staff Mover

May 2022 – September 2023

2 Jacked Guyz LLC | Keene, NH

- Led the loading, unloading, and truck organization independently from a manager
- Conducted quality checks to meet company packing standards
- Managed end-to-end customer engagement, meeting specific needs on time or other various requests

LEADERSHIP EXPERIENCE

Assistant Track and Field Coach

November – June 2021

Bishop Guertin High School | Nashua, NH

- Mentored student-athletes, teaching skills and goal-setting
- Designed individualized workout plans
- Coached 15 throwers and jumpers, maintained professional communication with head coach and parents

PROJECTS

RecipeRendezvous! Head developer for online recipe sharing service

Predicting Natural Disasters Used a machine learning model that will predict the magnitude, location, and date of future earthquakes

Custom Shell Developed program that carries out tasks within directories

Password Cracking Used brute force and dictionary attacks to find passwords

Cryptography Encrypting and decrypting messages using Euclid's algorithm, public and private keys

Designed Simple Computer out of discrete components ALU, RAM, Data Stores, and basic instructions

Custom Built PC Built a gaming platform from independently obtained parts

COLLEGIATE ACTIVITIES

Association of Computing Machinery [ACM] Club

October 2022 – Present

Varsity Track and Field

August 2020 – Present

NCAA Division I, NEC Conference

- 4x Qualifier for the NEICAAA Indoor/Outdoor Championships
- 4x Top 3 performance at Conference Championships