DANIEL I. STABILE

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Senior, Class of 2021
Computer Science, GPA: 3.712

HONORS

Ryan Scholar
Cornell Engineering Dean's High Honor List
AP Scholar with Distinction

EXPERIENCE

Software Engineer Internship - Maculogix   Summer 2020
• Eliminated production bottleneck by reducing final calibration process from 2.25 hours to 35 min
• Worked in C# implementing advanced interpolation search algorithms and automating processes
  with OpenCV using the Emgu wrapper and FLIR Systems Spinnaker SDK
• Wrote work instructions and ISO 9000 validation/verification procedures for software I developed

Founding Member | Software Developer - Vita Innovations   March 2020
• Build desktop application/smart mask interface to display body temperature, heart rate, blood   Present
  oxygen levels, and respiratory rate for healthcare professionals
• Created and maintain company website and brand with HTML, CSS, Bootstrap, and Illustrator

Software Lead - Cornell University Biomedical Device   February 2020
• Manage team of four in developing mobile application to record occurrences of awake bruxism   June 2020
• Assign, review, and grade weekly deliverables to meet project deadlines

Undergraduate Researcher - Schaffer-Nishimura Lab   June 2019
• Create pipeline to serve team of biology researchers in standardizing and optimizing pre-processing   Present
  of multiphoton images
• Code pipeline in MATLAB to perform operations on TIFF stacks, such as channel splitting,
  normalization, unmixing, and pixel-to-micron conversion

PROJECTS

oCaml DBMS - CS 3110 Functional Programming   Fall 2019
• Developed data base management system in oCaml with MySql standards as class final project
• Led creation of REPL code, parsing of user queries, and displaying of tables to terminal
• Collaborated on code to compute parsed queries and output final tables

RISCV Processor - CS 3410 Computer System Organization and Programming   Spring 2018
• Implemented a fully pipelined RISCV Processor using Logisim to draw and simulate circuits
• Referred to RISCV Handbook to ensure that all instructions were implemented correctly

Fútbol Formation Analysis - Engineering Math Summer Institute   Summer 2018
• Designed soccer simulator in Python, analyzing goal-scoring performance among formations
• Compiled data and presented findings at Cornell University research symposium

EXTRACURRICULAR

Cru Cornell Student Ministry - Organize service events for Cru as member of leadership team.   March 2019
Collaborate with Habitat for Humanity, Salvation Army, and Second Wind Cottages   Present

Youth With a Mission - Served as a missionary in Cairo, Egypt. Taught Sudanese   Sept. 2016
refugees English and practical skills such as computer programs and knitting. Visited and brought   March 2017
food to leper colonies.

SKILLS

Programming: oCaml, Java, Python, Matlab, C, HTML & CSS, Bootstrap, Git, Linux, Vim, VS Code
Craft: Premiere Pro, Illustrator, Photoshop, GIMP
Languages: Proficient in Spanish; Studied up to level B French in Montpellier, France