Bahar Tehranipoor

Cornell University | 860-207-5013 | bt277@cornell.edu

EDUCATION

Cornell University, Ithaca, NY
B.S in Computer Science, May 2023
GPA: 3.91, College of Engineering Dean's List
University of Florida, 2019 dual-enrolled student, 4.8/4.0

RELEVANT COURSEWORK
2018: Google Computer Science Summer Institute (CSSI) class *Algorithmic Toolbox*, Computer Programming Using C, Programming Fundamentals II, **2019:** CS2110 Object-Oriented Programming, Intro to iOS Development, **2020:** CS2802 Honors Discrete Math, CS3110 Data Structures and Functional Programming

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SKILLS & PROJECTS, link to Github: https://github.com/bahartehrani

Highly skilled in Java, Swift, OCaml. Proficient in C++, C
Minesweeper: C++ project made with SFML
Spots: on-campus study spot finder, winner of "Best UI" in Hack Challenge
Eve: on-campus event finder

EXPERIENCE

Cornell Design & Tech Initiative, *iOS Developer*   January 2020 - present
- Implemented app *Eve*, used to find events on campus

The Wardrobe, *Developer*   January 2020 - present
- Joined organization creating equal opportunity for Cornell students with business attire as developer

Numerade, *Single and Multivariable Calculus and Pre-Calculus Educator*   May 2019 - present
- Created 1300+ videos on advanced math topics in style similar to Khan Academy

The Touchtones A Capella, *Webmaster and Assistant Music Director*   September 2019 - present
- Lead all-female a capella group, rehearsing 6 hours weekly in preparation for fall and spring concerts

University of Florida, *Hardware and Cybersecurity Researcher*   June 2017 - August 2018
- Designed solutions for scanning electron microscope errors in image processing to detect Trojans in computer chips
- Analyzed training data for a machine-learning algorithm that detects malicious links while browsing the internet/checking an email
- Spoke on panel for women in hardware security, discussing increasing diversity at the IEEE HOST conference in Washington DC

FIRST Robotics Team, *Build Team Captain*, Gainesville, Florida   January 2017 - February 2019
- Fundraised $2500 to co-found team
- Exercised sound judgment and evaluation by assigning builders to different structures of the robot

Math Team Summer Camp, Boys and Girls Club, *Volunteer*   Summer 2017 - Summer 2019
- Co-ran summer camp that prepares middle school students for the team, from 8 to 12 every weekday
- Taught and tutored K-5 kids in math and reading after school

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ACCOMPLISHMENTS

- $60,000 Venture Afar Scholarship Recipient
- Co-author to publication:
  "Golden Gates: A New Hybrid Approach for Rapid Hardware Trojan Detection using Testing and Imaging" IEEE International Symposium on Hardware-Oriented Security and Trust (HOST), 2019.