

# Bahar Tehranipoor

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## 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, SwiftUI, OCaml. Proficient in C++, C

**Figure (Genesis App):** personal finance essentials iOS app for educating young adults

**Spots:** on-campus study spot finder iOS app, winner of "Best UI" in Hack Challenge

**Eve:** on-campus event finder iOS app

**Fitness App:** social fitness app for connecting with others through fitness

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## 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
- "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  
Co-Author