

# Ethan Shahbazian

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## Education

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**University of California, Los Angeles** | GPA 3.68 *Sept. 2019 - Anticipated June 2023*  
*B.S. Computer Engineering*

**Foothill College** | GPA 3.74 *June 2018 - Mar. 2019*  
*Dual enrollment during high school; focus on computer science and mathematics courses*

## Professional Experience

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**Northrop Grumman | Sonoma Photonics** | Engineering Intern *Summer 2019, 2020*

- ♦ Automated data entry/analysis processes using Visual Basic, allowing faster and more intuitive decision making for a \$2.2 million program
- ♦ Created program to automate measurement of over 2000 parts using Nikon NEXIV
- ♦ Automated timecard data collection and analysis using SQL and Visual Basic; sped process up by 50x

## Projects

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**Footprint | HackSC** *Jan. 31, 2020 - Feb. 3, 2020*

- ♦ Frontend development of a mobile app to monitor/visualize a person's CO<sub>2</sub> emissions
- ♦ Used React Native to create UI pages that allowed users to log information
- ♦ More details/demonstration at <https://devpost.com/software/footprint-q5epbv>

**Workout Party | UCLA** *Oct. 2020 - Dec. 2020*

- ♦ Designed and implemented several different pages of a workout app using React Native
- ♦ Used social accountability to encourage exercise during early stages of quarantine

## Clubs/Activities

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**UCLA ACM Cyber** | Encryption, decryption, SQL injection *Sept. 2019 - Mar. 2020*

**UCLA ACM ICPC** | Competitive coding, algorithms, dynamic programming *Jan. 2020 - Mar. 2020*

**SkillsUSA** | Technical math and Autodesk Inventor *Sept. 2015 - June 2019*

## Relevant Coursework

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C++, Operating Systems, Computer Architecture, Systems and Signals, Circuits, Logic Design of Digital Systems, Algorithms and Complexity, Computer Networks, Programming Languages

## Skills

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| ♦ <b>Languages:</b> C++, Java, VisualBasic, Python, LabVIEW, Verilog, HTML/CSS | ♦ <b>Tools:</b> React, React Native, Microsoft Office, Arduino, Git, Linux |
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