

SOHAM ROY

linkedin.com/in/sohamroy-me | sohamroy@sohamroy.me | github.com/soham3-1415

Education

- **The University of Texas at Austin**
 - Bachelor of Science in Computer Science; GPA: 3.3 (May 2023)
 - Coursework: Computer Architecture, Data Structures (Java), Discrete Math
- **Westlake High School**
 - Foundation Program with Distinguished Level of Achievement; GPA: 4.4 (May 2019)
 - Coursework: Computer Science (4 years), Organic Chemistry, Statistics, Physics C (Mechanical and E&M)
- **Skills**
 - Programming Languages: Java, Javascript, Matlab, Rust
 - Linux: networking, security, administrative tasks

Work Experience

- **Applied Research Labs — Student Researcher** (June 2019- August 2019)
 - Researched ocean acoustic models
 - Report writing
 - Matlab simulation development

Projects

(viewable on sohamroy.me or my GitHub page)

- **VPN Service** (July 2019 - August 2019)
 - Distribute X509 certificates for OpenVPN
 - Support wrapping connections in SSL
- **CNMR Simulator** (March 2019 - April 2019)
 - Display simulated CNMR spectrum

Accomplishments

- **5th place Lockheed Martin Cyber Grand Challenge** (October 2019)
 - Cybersecurity competition hosted on Cyber Skyline
 - Challenges in cryptography, forensics, log analysis, password cracking, network traffic analysis, reverse engineering, and web application security
- **1st place Sandia National Labs Space Blimp Challenge** (September 2019)
 - Programming competition with an emphasis on signal processing
- **National Merit Finalist** (February 2019)

Extracurricular Involvement

- **Completed Trend Micro's Secure Coding Dojo** (October 2019)
 - Introduces developers to defending against OWASP Top 10 attacks
- **Information & Systems Security Society — Role (Member)** (September 2019 - present)
 - Compete in Capture the Flag competitions
- **UT Programming Contests — Role (Member)** (September 2019 - present)
- **High School Aerospace Scholars (NASA) — Role (Student)** (November 2017 - June 2018)
 - Explore technical requirements for Martian exploration
- **Competitive Robotics (FTC) — Role (Lead Designer)** (September 2015 - February 2018)
 - 3D robot visualization, 3D printing, other manufacturing techniques
 - Use of CAD software like Solidworks and Autodesk Inventor