

# Shrinithi Narayanan

RICE UNIVERSITY · COMPUTER SCIENCE

Houston, TX 77005

☎ (925) 321-5600 | ✉ nithinara@gmail.com | 🏠 www.nithinara.com | 📱 nithinara | 🌐 nithinara

## Education

---

### Rice University

B.S. COMPUTER SCIENCE

- Trustee Distinguished Scholar

Houston, TX

Fall 2015 - Spring 2019

## Experience

---

### CodeHS

TUTOR

- Provided students one-on-one feedback as they progressed through the curriculum
- Helped grade student programs, answered any questions, and aided in creating new content
- Worked with students around the world and helped teach them how to code

San Francisco, CA

Summer 2015 - Present

### Sandia National Labs

CYBERSECURITY INTERN

- Created a network traffic profiler for cyber operations to discover various attacks in real time
- Proof of concept for ephemeral biometrics - linking human biometrics to cyber authentication
- Utilized available biofeedback devices to measure biometrics, and retrieved raw data

Livermore, CA

Summer 2014

### CA Scholarship Federation

WEBDEV INTERN

- Created multiple HTML forms for registrations that CSF hosts
- Linked received data from HTML forms into a MySQL database, for future use by other members
- Worked on mobile apps for high school students to be up-to-date about CSF events

Pleasanton, CA

Fall 2013

## Technical Skills

---

**Languages**, Java, Python, C, C++

6 years

**WebDev**, HTML, CSS, Javascript

6 years

**Scripting**, UNIX/Linux

6 years

**Networking**, Bro IDS, Wireshark, nmap

4 years

**Databases**, PostgreSQL, mongoDB

3 years

**Forensics**, file systems, Autopsy, Volatility, EnCase

2 years

## Awards

---

**Ephemeral Biometrics Poster**, presented at USENIX Security 2014 by Sandia National Labs

2014

**National AP Scholar**, awarded by College Board

2014

**Aspirations in Computing National Winner**, awarded by NCWIT

2013

**Commended Scholar**, awarded by National Merit Scholarship Corporation

2013

## Coursework

---

**Rice University**, Advanced Object Oriented Programming, Algorithmic Thinking, Compiler Construction, Computer Systems Architecture, Distributed Program Construction, Elements of Algorithms and Computation, Fundamentals Computer Engineering, Fundamentals of Parallel Programming, Intro to Computer Systems, Intro to Database Systems, Intro to Game Prog in Python, Intro to Program Design, Linear Algebra, Multivariable Calculus, Operating Systems/Concurrent Programming, Probability and Statistics, Reasoning About Algorithms, Tools and Models for Data Science, Web Development

4 years