

# Vinay Venkat

✉ cool00geek@yahoo.com | 🏠 cool00geek.github.io | 📧 cool00geek | 🌐 vinay-venkat

## Work Experience

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### UCSC IEEE Branch

LEAD PROJECT MANAGER

*Santa Cruz, CA*

*Jan. 2020 - Present*

- Oversaw the re-modernization project of the IEEE lounge at UC Santa Cruz.
- Worked with a team of 3 members and utilized 3D printing and other various electronics to build an arcade machine.

### Bay Area Community College Consortium

CYBERSECURITY SUMMER CAMP INSTRUCTOR

*San Francisco Bay Area, CA*

*May. 2019 - Aug. 2019*

- Instructed classes of 30 middle and high school students on cyber security basics - including digital forensics, Linux, and Wireshark.
- Developed and executed various competitions for students.

### Air Force Association's CyberPatriot

MENTOR

*Orange County, CA*

*2016 - Present*

- Assisted instructors with the Air Force Association's CyberPatriot curriculum at various community colleges and high schools.
- Led students to achieve the national semifinalist rank.

### University of California, Irvine

ORTHOGONAL INTERN

*Irvine, CA*

*Jun. 2017 - Aug. 2017*

- Developed a fully autonomous sailboat under the supervision of Professor Simon Penny and the Orthogonal Team.
- Applied mechanical, electrical, and programming concepts with an Arduino micro controller.

## Education

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### University of California, Santa Cruz

B.S. IN COMPUTER SCIENCE

*3.80 GPA*

*Sept. 2018 - Jun. 2021*

- Dean's Honors - Awarded to the top 15% of the class each quarter.

### Valencia High School

HIGH SCHOOL DIPLOMA

*3.80 GPA*

*Sept. 2014 - Jun. 2018*

- International Baccalaureate Diploma
- Valencia Technology Diploma - Computer Science Pathway

## Honors & Awards

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2018 **Certification**, CompTIA IT Fundamentals

2016 - 18 **National Semifinalist**, US CyberPatriot - 1st place in Gold Tier

2018 **3rd Place**, High School Programming Competition at Cal Poly Pomona

2018 **3rd Place**, Orange County Mayor's Cup (Cyber Defense Competition)

## Personal Projects

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### Slug Dining Bot

LEAD DEVELOPER

*Python Server*

- Chat bot to interactively list the current dishes being served at the UC Santa Cruz Dining Halls.
- Actively used by over 500 students.

### Linux Scoring Engine

LEAD DEVELOPER

*Java Desktop*

- Automatically analyzed Linux systems for patched security vulnerabilities and compared results to a master scoring key, to generate a scoring report.
- Used by over 20 community colleges and high schools in California.

## Skills

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**Cloud Computing** Microsoft Azure, Google Cloud Platform, Google Firebase

**Back-end** Flask, MySQL, REST API

**Frameworks** Selenium, JavaFX, React Native

**Programming - Proficient** Java (Including Android), Python, C++, Bash, C

**Programming - Basic** Perl, Assembly (MIPS and RISC-V), Scheme, Smalltalk, JavaScript

**Systems Administration** Linux (Including Debian and Ubuntu), Cisco IOS

**Tools** Git, UNIX Tools, Travis CI, Microsoft Office

**Languages** English, Spanish, Tamil