

# ARIB AHMED

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## Education:

**University of California, Santa Cruz (UCSC)** Santa Cruz, California

*Bachelor of Arts:* Network and Digital Technology (9/18 - 12/20)

## Projects:

Rainbow Road:

- Used verilog to create a similar game to mario kart's infamous level, rainbow road. Developing this game took knowledge of logic gates, combinational flip flops, state machines, and FPGA vga output.

Battleboots:

- Developed the entire game of BattleBoats on an FPGA board. Required an immense study of C's pointers, state machines, and the FPGA Oled display.

Caesar Cipher:

- Developed a caesar cipher entirely in Assembly, with some aspects of machine language.

## Work Experience:

**Wireless Tech Support Intern | Underwriters Laboratories (6/20 - 9/20):**

- Evaluated test performance and sampled operation to properly evaluate test results.
- Recorded and explained test results and completed test reports for Engineering staff.
- Communicated with customers during setup and operation to ensure proper evaluation.

**Conference Services Intern | University of California, Santa Cruz (6/19 - 9/19):**

- Worked as a front desk customer service representative for the university
- Coded key cards for rooms using software programming.
- Frequently worked as tech support to fix technology around the office.

**Programming Bootcamp | University of California, Berkeley (7/18):**

- A three day programming bootcamp to improve my skills in top level language.

**IT Intern | Silicon Valley Education Foundation (6/16 - 8/16):**

- Worked as a summer intern for the nonprofit company.
- Frequently worked jobs with the IT manager for experience.
- Increased knowledge of office and work life.

## Skills:

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|---|---------------------------------|
| - Highly Experienced with Windows OS                                      | - Experience in IT Tech Support |
| - Computer Building Experience  | - Google Slides, Sheets, Docs   |
| - Coding Experience:  |                                 |
| - C, Python, Assembly, Verilog, Java, some experience in Machine Language |                                 |
| - Electrical Engineering:   |                                 |
| - Breadboards, millimeters, oscilloscopes, signal generators, etc.        |                                 |
| - Video Editing(Adobe Premiere) / Photo Editing(Adobe Photoshop)          |                                 |