

Andi Barron

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About Andi Barron

I am a recent graduate from U.C. Santa Cruz with a Bachelor of Science in Computer Science (**with Honors**). In my area of academic study, I focused on data structures, design for interactive media, and advanced programming in core languages such as C++, C#, Java, and Python.

I am currently employed at In-N-Out Burger and am looking to transition to a full-time position leveraging my education in computer science.

ACADEMIC EXPERIENCE

University of California (Santa Cruz, California)

August 2021 to June 2023

Bachelor of Science: Computer Science - I completed my BS at UC Santa Cruz as a transfer student after completing 2 years at Canada College in San Mateo. I transferred to UC Santa Cruz *Cum Laude*. My coursework and projects in CS are listed below.

- **Capstone Project:** I contributed to the AI engine by creating algorithms for the game enemies and the “BOSS” of the game. I also developed/ programmed the final stage sequence, enemy animations, and the rules for character abilities. In addition, in completing the game, I integrated all sound effects and engineered music to create a complete game environment (visual, audio, and gameplay). In this effort, I leveraged the Unity game engine.
 - <https://sunnieside-boi.itch.io/cassidys-castle-cleaners>.
- **Game Projects:**
 - Womboto Roboto - Developed music and programmed character combat abilities (combo meter, damage, etc.) <https://aidanbacon.itch.io/womboto-roboto>
 - Sheep Runner - Created all gameplay and game elements - <https://github.com/andib7/Sheep-Runner>
 - Grave Gamble - Programmed game UI and animations, made the music, and added sound effects - <https://github.com/andib7/AGraveGamble>
- **Other Projects:**
 - Image redraw and visual test by averaging colors between two points: <https://editor.p5js.org/andibarron7/sketches/wBok8T-hd>
 - Created smoke visuals using 1s and 0s: <https://editor.p5js.org/andibarron7/sketches/ffnwd1-KK>
 - Nutrition application using a nutritional fact database for each “plate” consumed: <https://github.com/tkj02/Nutrition>
- **Coding experience**
 - Certificates in C++ and Java from community college. Took more relevant coursework at UCSC including courses like, Data Structures, Artificial Intelligence, Web Development, Advanced Programming (threading, testing, networking), and mathematics classes like Linear Algebra, Discrete Mathematics, and Multivariable Calculus.
 - Coding in the many projects listed above
 - Using Leetcode and HackerRank to prepare for assessments
 - Languages (from most to least proficient): javascript, C++, C#, CSS, Python, SQL, Java

WORK EXPERIENCE

In-N-Out Burger (Redwood City, CA)**January 2019 to Present**

Level 6 Associate: At In-N-Out, I moved from Grade 1 to Grade 3 within 6 months and to Level 6 within a year. I have attained the highest associate level before entering into management. While I have been with In-N-Out, I have been recognized by management for exceptional performance, dedication, and commitment to learning.

- Represent the company's core values by providing the highest level of customer service and maintaining the quality our customers expect
- Host certified - Take care of customers and give them the best service possible
- Quality certified - Holds highest standards for all aspects of the kitchen including cleanliness, speed, and overall cooking quality

VOLUNTEER EXPERIENCE

Woodside High School (Redwood City, California)**August 2016 to May 2018*****Volunteer***

- Academic tutor in mathematics (geometry, algebra, pre-calculus)

Siena Youth Center (Redwood City, California)**August 2014 to June 2019*****Coach/ Tutor/ Volunteer***

- Tutoring and homework help for students of all grades
- Coached sports and physical activities to keep the youth active
- Directed other high school volunteers to lead activities

EDUCATION

University of California, Santa Cruz - B.S. Computer Science

GPA: 3.6

Canada College, San Mateo, CA - Certificate

GPA: 3.7

Woodside High School, Redwood City, CA – High School Diploma

GPA: 3.5

INTERESTS AND SPORTS

Game development
Computer Gaming
Cooking and trying new foods
Watching and playing soccer
Running