

# **Brandon Mack**

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## *Professional Overview*

Aspiring Software Engineer with excellent critical thinking and supervision skills. Highly effective at overseeing multiple tasks at once. Further experience through a background in engineering promotes technological, logical, and problem solving mindsets with additional reinforcement of management. High proficiency through scholarly activities such as educational pursuits and personal research provide a solid foundation for further extending skillsets leading to flexibility in the workplace and the application of miscellaneous information into work-related projects/services. Certification in SolidWorks displays aptitude for other CAD software and defines an extremely important skill for engineering-related activities, whether the subject is a simple product, a simple conceptualization, or even breaking down problems into chunks to be dealt with more efficiently.

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## *Skills*

- Proficient in group activity supervision
- Proficient in CAD software, basic physics, computer hardware.
- Intermediate to advanced level knowledge of:
  - C
  - Python
  - HTML
  - CSS
- Learning disability awareness
- Adept at conflict resolution
- Basic research in prosthetic creation/manufacturing
- Expert in project Management
- Expert in product development
- Proficient in oral and written communication
- Expert in equipment maintenance

- Fundamental knowledge of 2D and 3D modeling
  - Proficient in budgeting
  - Advanced critical thinking
  - Basic understanding of Electrical engineering
  - Proficient in time management
  - Highly skilled in 3D and 2D CAD software
  - Proficient in customer Service
  - Familiar with closing routine work
  - Proficient ability to train new workers
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### *Work History*

Junior Counselor, 07/2018 to 01/2019

Sky-Y – Prescott, AZ

- Pitched in to help with additional responsibilities such as cleaning paintball markers and managing a cabin alone as well as assisting campers with their luggage.
- Resolved issues effectively through verbal communication and redirection of energy in cases of extreme subject distress (i.e. homesickness).
- Trained to lead activities such as archery, target sports, and paintball in a safe and effective manner. Worked with fellow staff members to properly implement a safe firing range.
- Collaborated with fellow staff to address issues related to adolescent psyche, activity hold ups, and personal health.
- Worked outside of my comfort zone by engaging in activities that I am not as competent/confident in such as art.

OGP Associate, 05/9/2020 to 07/22/2020

Walmart #5429 - 14111 N Prasada Gateway Ave, Surprise, AZ 85388

- Employed seasonally for the summer before returning to school.
- Worked in a small to medium sized team (3 to 12 people) in order to ensure order pickup in a fast-paced environment.
- Engaged with customers and worked through issues with orders and delay.
- Received basic cross-training in stocking.

- Received informal training on closing time routines such as cleaning, organization of assets, and preparation for the next day.
- Trained new members in backroom proceedings such as:
  - Dispensing to customers
  - Preparing orders for pickup
  - Sorting orders by hour
  - Closing hour expectations and tasks

Early Morning Stocking Associate, 06/2022 to 11/2022

Michaels - 1500 Riordan Ranch St, Flagstaff, AZ 86001

- Worked in a small to medium sized team (3 to 10 people) in order to stock shelves before and during store hours.
- Help customers find desired merchandise or possible substitutes for personal crafting projects.
- Sort through merchandise on truck nights to dispense product to desired region of the store, facilitating other team members' work.

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### *Education*

High School Diploma: 2019

Shadow Ridge High School - Surprise, AZ

- Awarded Honor Roll every semester (4.0+).
- Certified CAD operator (Certified SolidWorks Associate).
- Coursework in Engineering, Computer Science and AP (Advanced Placement) core curriculum.
- Received Lumberjack Scholarship from Northern Arizona University.
- Was in top 1.01% of the Senior class (5 of 497).
- Received AP test scores of: 3 AP US History; 3 Computer Science Principles; and 4 AP Language and Composition.

College Degree - BS in Software Engineering: in progress until 05/2024

Northern Arizona University - Flagstaff, AZ

- Currently completed coursework subjects (C or greater):
  - 4 classes + 2 labs Electrical Engineering
  - 12 classes + 2 labs Computer Science
  - 1 class + 1 lab Chemistry
  - 2 class + 1 lab Physics

- 2 classes Calculus
    - 1 class Discrete Mathematics
    - 1 class Economics
    - 1 class Statistics
    - 7 classes Liberal Arts
  - In-progress / most recent courses:
    - CMF 252 - Game Development Lab
    - CS 305 - Computing Tools III
    - CS 470 - Artificial Intelligence
    - AST 201 - Intro to Indigenous Astronomy
    - CCJ 101 - Intro to Crime and Justice
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### *Accomplishments*

- Recipient of the Lumberjack Award.
  - Repeated recipient of the Honor Roll Award throughout middle school and high school.
  - Collaborated with team of 2 in the development of prototype prosthetic for an above-the-elbow amputee.
  - Recipient of a black belt in Tae-Kwon-Do through Arrowhead Martial Arts Academy.
  - Unreal Engine 5 lead AI developer as a research opportunity
  - VR Horizons world developer as a research opportunity with the department of foreign languages at NAU.
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### *Certifications*

- Certified SolidWorks Associate (CSWA)
- Arizona Driver's License