

# CODY J WALKER

## CONTACT:

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## ADDRESS:

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## JOB OBJECTIVE:

Internship or entry-level position in Computer Science or related field to enhance professional skills.

## EDUCATION:

Bachelor of Computer Science, May 2019, University of Arizona.  
Minor in Mathematics.

**Notable Computer Science Classes Taken:** Operating Systems, Parallel & Distributed Programming, Computer Networking, Databases, Object Oriented Design.

**Notable Mathematics Classes Taken:** Logical Proofs & Reasoning, Cryptography, Multi-variable Calculus, Linear Algebra, Statistical Elements Using Calculus.

## PROGRAMMING EXPERIENCE:

Four semesters of Java, focused on OOD, Test-Driven-Development, GUIs, etc.

Four semesters of C, including networking (TCP/IP, ARP, etc.), operating systems, parallel & distributed programming (mutual exclusion barriers, program run-time analysis, etc.).

Three semesters of algorithms/discrete structures, focused on logic, searching algorithms, trees, hashing, time complexities, algorithm design (dynamic, divide & conquer, greedy, etc.).

One semester of Assembly Code (MIPS) & CPU architecture. One semester of Databases using relational algebra, TRC, & DRC, coding in Oracle, SQLServer, DML, JDBC, JSP.

PCEP Certification in Python.

Also familiar with Bash, html, Angular, Node, CSS, JS, JavaFX, C++, Swift, Agile, R, & LaTeX.

## NOTABLE SIDE PROJECTS:

Parallel multi-process n-body gravitational simulator, written in C with a Python GUI & 2D visualizer, a JavaFX 2D visualizer, and sequential implementation written in Python.

Client-Server Java chat program using TCP sockets with server running on Raspberry Pi.

3D graphics engine written in LWJGL, GLSL, & OpenGL, capable of running 3D visualization of n-body simulation, & starting point of a game engine.

Home-built desktop computer running dual-boot of Linux & Windows.

## WORK EXPERIENCE:

<b>Machinist &amp; Bookkeeper</b>	Williams Machine Wilhoit, AZ	July 2019 - Present
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In charge of logging company's expenses & profits, and responsible for drilling/machining of high-precision oil restrictors for a small aerospace manufacturing company.

<b>Food Service</b>	Jimmy's Pita & Poke Bowl Tucson, AZ	2017
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Tasks including food prep, delivering, dish-washing, running the grill, opening/closing cleanup, etc.

<b>Staff Member</b>	R-C Cub Scout Camp Payson, AZ	Summers 2010-13
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Employed at Summer Camp to mentor and direct various camp programs for Cub Scouts.

## HONORS AND AWARDS:

Eagle Scout, Boy Scouts of America: 2011, Prescott AZ.

Eagle Scout Project: Planned, organized, and constructed memorial to fallen servicemen at City of Prescott's Constellation Trail.

National Honor Society: Prescott High School.