

# Bradley Sundsbarm

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## RELEVANT COURSEWORK

**Theory of Computing** – Advanced algorithms such as SA-IS and AVL Trees, dynamic programming, graph theory, and runtime analysis.

**System Architecture and Performance** – Study of computing architecture and how the structure of various hardware and software modules affects the performance of the total system. Languages used were C and Assembly.

**Operating Systems** – Primarily done in C, we designed programs that dealt/mimicked topics such as Shells, CPU Scheduling, multi-threading and multi-processing.

**Embedded Systems** – Covered concepts and techniques associated with developing low level Embedded Systems Applications, using both Assembly and C.

**Compiler Design** – Used GPL, Bison, and Flex to build a C++ like compiler that compiled input text files and produced output.

## PROFESSIONAL EXPERIENCE

**Chico State University Computer Science Department, Chico CA**

Title: Teaching Assistant/Grader

**January 2017 – December 2018 and August 2019 – December 2019**

- Simultaneously worked with two Chico State professors for two separate computer science classes.
- Coordinated with professors to determine their preference on grading criteria and adhered to various grading styles to accommodate.
- Carefully graded and debugged students' work to give accurate and helpful feedback on their C++ assignments.
- Hosted Labs and helped students debug their code.

**Chico State University Behavioral & Social Sciences, Chico CA**

Title: Statistics Computer Lab Technician

**January 2017 – December 2019**

- Assisted students by explaining statistic methods and principles in relation to problems they were struggling on.
- Consistently updated software and debugged the lab computers to ensure students have a positive experience in class.
- Helped Professors with any classroom tech difficulties they were experiencing.

**Bucatini Trattoria, Palm Desert CA**

Title: Waiter

**July 2016 - December 2016**

- Managed guest relations, ensuring that all conflicts were resolved quickly.
- Helped promote a strong team focused environment by assisting others when necessary to promote teamwork.
- Entrusted to serve parties of 10 or more due to my meticulous and professional serving abilities.

**United States Navy, Virginia Beach VA**

Title: Air Traffic Controller

**August 2012 - June 2016**

- Promoted to rank of Petty Officer Second Class in just over two years, which was credited to my study habits and good evaluations from my superiors.
- Worked in a strong team atmosphere assisting fellow coworkers with airport and air traffic flow, conflicts and emergencies.
- Responsible for an annual budget of approximately \$50,000, to order supplies and equipment needed by the department.

## EDUCATION/TRAINING

**Chico State University,  
Chico, CA.**

*BS in Computer Science*

**Graduation Date:**

**December 2019. 3.3 GPA**

**College of the Desert, Palm  
Desert CA**

August 2016 - December 2016

**De Anza Community College,  
Cupertino CA**

August 2010 - June 2012

**GitHub & Chico State Clubs**

GitHub – Valk67

Association for Computing  
Machinery

**Programming Languages**

(By Order of Proficiency)

C++/C

JavaScript

HTML/CSS/JS

Python

Java

Assembly

**Frameworks**

React-Native

Django

**DevOps Tools**

Git / GitHub

Travis-ci

Docker

**SE Fundamentals**

Agile

Unit Testing/GTests

Direct Injection

**Misc. Programming Skills**

Makefiles

IDE – Prefer VS CODE

**Highlights**

Attention to Detail

Self-Motivated

Instructor Experience

Teamwork

Conflict Resolution