

# WILLIAM T. CHERRES

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## EDUCATION

### Grinnell College

*Bachelor of Science in Computer Science*

**GPA: 3.77/4.0**

**Honors:** Dean's List, 2023 Offensive Player of the Week, 2022 Academic All-Conference

**Relevant Coursework:** Functional Programming, Imperative Problem Solving, OO Problem Solving: Data Structures and Algorithms, Discrete Structures, Analysis of Algorithms, Linear Algebra

**Grinnell, Iowa**

*Expected May 2026*

## TECHNICAL SKILLS

**Languages:** Java, C, C++, JavaScript, Linux, Bash, Html/CSS

**Skills:** React, MySQL, Git

## EXPERIENCE

### Flexera

**San Diego, California (Remote)**

*Software Development Intern*

*May 2025- August 2025*

- Enhance a multi-tenant SaaS platform by implementing secure access controls and support tooling for Support, Partner, and Customer tenants, ensuring strict data isolation.
- Build responsive React/TypeScript components to deliver type-safe, maintainable features that improved internal support workflows and customer-facing interfaces.
- Build Jest/React Testing Library unit tests to verify API calls and component behavior, preventing regressions and improving reliability.

### Sony Electronics Inc.

**San Diego, California**

*Software Development Intern*

*June 2024 - August 2024*

- Design and integrate a controller interface for the FCB-EV9500H security camera using C in a linux environment
- Engineer and deploy advanced features, including spot focusing based on real time motion detection alerts
- Implement new features to the Sony Alpha a7 camera software by writing 8 files of Bash scripts
- Collaborate with a cross-functional team of seven sales managers, marketing associates, and report directly to the head software engineer, contributing to project planning and feature specifications

### Grinnell College Statistics Department

**Grinnell, Iowa**

*Web Developer*

*January 2025- May 2025*

- Build backend features for an educational web platform (Stats2Games) using PHP and MySQL
- Implemented GET/POST request handling to securely collect, store, and retrieve student activity data.

## PROJECTS

### Linux FCB Controller

**San Diego, CA**

*C Language*

*June 2024*

- Authored 4,000+ lines of code for a robust menu system controlling FCB security cameras, including camera configuration, lens adjustment, and image quality settings.
- Designed a motion detection feature that analyzes screen frames, triggering alerts and auto-focus on areas of interest.
- Ensured seamless program compatibility on Linux 64-bit Desktop and Embedded 64-bit ARM NVIDIA Jetson systems.

### Artificial Life Simulator

**Grinnell, IA**

*Java*

*October 2023*

- Object Oriented Java program designed to implement behaviors of three types of organisms in a simulated environment
- Designed and developed an abstract class that held the general behaviors of an organism
- Implemented 'javax.swing.JFrame', 'javax.swing.JPanel', and 'javax.swing.SwingUtilities' to create a simulation panel

## EXTRACURRICULAR

### Grinnell College Athletics Varsity Soccer

**Grinnell, Iowa**

*Defender*

*August 2022 - Present*

- Spend 12+ hours weekly training, watching training videos, traveling, and participating in games while maintaining a full course load
- Serve as the voice of the student-athlete body and harnessed problem solving skills to establish a positive environment