

# Cameron Lee

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## Education

**Bachelor of Science, Computer Science**  
San Diego State University, San Diego, CA

**Expected May 2026**  
3.7 GPA

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## Skills

**Programming:** C/C++, C#, Java, Python, Assembly, Scala, R, Git, HTML/CSS/JavaScript, ROS2, Bash

**Platforms/Tools:** Windows, Linux, macOS, iOS, Android, GitHub, Vim, VSCode, Visual Studio, VMWare

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## Experience

**Undergraduate Research Assistant | San Diego State University**

**June 2025 - August 2025**

- Conducted research, under *Professor Donyanavard*, on methods for quantifying uncertainty in Visual-Inertial Simultaneous Localization and Mapping (VISLAM) systems.
- Analyzed how hardware differences and computational environments impact uncertainty estimates and localization accuracy.

**Instructional Student Assistant | SDSU CS Department**

**August 2025 - Present**

- Tutored undergraduate students in computer science, clarifying core concepts and debugging strategies.
- Developed Java and Bash based autograding scripts to automate testing of student assignments, reducing grading time and ensuring consistency.
- Supported faculty with coursework management and technical assistance for 100+ students.

**Treasurer & Founding Member | Coalition of Tech Reps and Leadership, SDSU**

**May 2025 - Present**

- Helped establish a coalition uniting computer science clubs at SDSU, managing finances and securing resources for events and sponsors.
- Collaborated with leadership from multiple CS clubs to coordinate cross-club events, boosting student engagement and visibility.

**Manager | Abbey's Real Texas BBQ**

**March 2024 - Present**

- Advanced from cashier/server to manager; supervised 10+ employees and oversaw daily operations.
  - Designed and implemented a standardized inventory system with checklists and par levels, reducing ordering time by ~50% and virtually eliminating midweek stockouts.
  - Streamlined scheduling and operational workflows, improving team productivity and customer satisfaction.
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## Projects

**FITENTH Autonomous Racecar - Senior Capstone Project**

**Fall 2025 - Present**

- Designing and implementing autonomous driving algorithms (SLAM, pathing, obstacle avoidance) on a 1/10th scale racecar using ROS2 and onboard sensors (LiDAR, camera).
- Collaborating in a 5-member Agile team using Scrum methodology.
- Integrating hardware and software systems with testing in both simulation and on physical deployments.

**PINS GUI and NEEDLE SDK**

**Spring 2024**

- Created a real-time network traffic monitoring dashboard in C++ using the C Socket library.
- Developed a detachable backend SDK to allow developers to easily integrate client connections in the PINS host application

**ShareTea Customer Data Collection and Text Messaging Service**

**Summer 2023**

- Built a Python service to extract and organize customer data from ShareTea's POS system.
- Automated SMS promotions with the TextBelt API, increasing campaign engagement by 200% for 600+ loyalty members.