

# Matthew Jones

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San Diego, CA



QR Code for LinkedIn

## Education

Expected graduation: April 2026 from California Baptist University  
**Bachelor of Science in Electrical and Computer Engineering**  
**Minoring in Software Engineering**  
Cumulative GPA 3.50

## Relevant Coursework

- **Engineering** – Power Electronics, Computer Architecture, Control Systems, Microcontroller System Design, Digital Signals and Systems, Signals and Systems, Circuit Theory/Design I and II, Electronics I, Digital Logic Design, Data Structures, Web Application Development, Engineering Economics
- **Math/Science** – Analytical Geometry and Calculus I, II, and III, Linear Algebra, Differential Equations, Physics for Engineers I and II, Chemistry I

## Engineering Experience

- **Formula SAE EV (CBU Motorsports) - Senior Engineer** (9/22-present)
  - Designed PCBs to decrease cost, weight, and power draw compared to previous years
  - Utilized components for wireless communication, DC-DC circuitry, and battery management
  - Fabrication and testing of designed PCBs and circuitries
  - Designed and implemented a low-voltage battery segment to power all low-voltage systems on the car
  - Designed and manufactured a wiring harness for all low-voltage components on the car
  - Taught incoming interns how to design, manufacture, and test PCBs and wiring harnesses
- **Engineering Design Classes with Projects** (9/24-present)
  - Designed a PCB for the power supply of a custom-made self-heating mug for a Junior Design Project
  - Implementing Raspberry Pi and Arduino systems together to run Machine Learning vision software and motors

## Technical Skills

- Designing/Fabrication/Testing of PCBs and multi-cell batteries
- Control Circuitry for USB, Automotive Ethernet, CAN, SPI, I2C, UART, Microprocessors/Microcontrollers
- Java, C++, JavaScript, HTML, CSS, React, OpenCV, Verilog, Arduino, Raspberry Pi
- Altium, MultiSim, MATLAB, Solidworks, AutoCAD, MathCAD, Vivado, Android Studio, Visual Studio, Git, GitHub
- Microsoft Office 365 Suite, Windows OS, MacOS, iOS, iPadOS, Linux, Adobe Suite, Google Admin Workspace

## Leadership and Teamwork Experience

- **Scouts** (2011-present)
  - Earned Eagle Scout in January 2021
  - Held leadership positions for 9+ years
- **National Youth Leadership Training in San Diego Imperial Council** (2018-present)
  - Attended leadership training camp through Scouts
  - Teach leadership skills to youth
  - Oversaw the entire camp for a year

## Work Experience

- **CBU ITS HelpDesk ITS Admin Support Student Worker** (9/24-Present in Riverside, CA)
  - Learning a lot about enterprise computer systems and how to troubleshoot technology for people
  - Growing my customer service and interpersonal skills from working in food service
- **Baja LLC Carpentry Apprentice** (5/23-8/24 Seasonally in San Diego, CA)
  - Learned many practical skills for home maintenance and construction

## Fun Facts About Me

- **Hobbies**
  - Off-roading, backpacking, working on cars, hiking, video games, camping, listening to music
- **Favorites**
  - Food: Chicken Parmesan – Show: How I Met Your Mother – Music Genre: Classic Rock? (I just love music)