

# Caleb Hellmund

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## EDUCATION

### Bachelor of Science in Computer Engineering

Anticipated May 2027

Liberty University, Lynchburg, VA

- GPA: **3.90/4.00**
- Relevant Coursework: Programming In C++ Advanced, Data Structures and Algorithms with C++, Calculus with MATLAB, AC Circuit Analysis, Introduction to Embedded Systems

## COMPUTER SKILLS

- **Programming Languages:** C++, Python, MATLAB, JavaScript
- **Tools & Software:** SolidWorks, Microsoft Office, Blender, Visual Studio, GitHub

## RESEARCH PROJECTS

### Visualizing Simulations

Spring 2024 – Present

- Enhanced a Blender add-on to support arbitrarily large .ply datasets by implementing a robust streaming/cache system, preventing crashes due to RAM limits.
- Automated conversion of .ply images to high-quality .jpeg files for easier analysis and presentation.

## CLUBS AND TEAMS

### Competitive Programming Club

Spring 2024 - Present

- Competed in the 2024 ICPC regionals, placing 8<sup>th</sup> in division 2.
- Competed in the 2025 ICPC regionals, placing 20<sup>th</sup> in division 1.
- Officer since Fall 2025: organize competitions, maintain club website, track and improve member involvement

### High Performance Computing Club

Fall 2024 – Present

- Build and link Raspberry Pi clusters to simulate high-performance computing systems, gaining hands-on experience with distributed computing, machine learning, networking, Linux, and hardware management through collaborative projects.

### Vanguard Engineering Competition Team

Fall 2024 - Present

- Contribute to a year-long, multidisciplinary engineering project covering design, integration, and production to build a competition-ready moon rover for NASA's Lunabotics competition.
- Develop rover software focused on control systems and networking, ensuring reliable navigation and communication.
- Support hardware, including routers and electronics assembly.

## EXPERIENCE

### Woodland Wahoos Swim Team, Assistant Coach, Stafford, VA

Summer 2024

- Assisted head coach in organizing and instructing over 150 swimmers in swimming and competition.
- Handled logistics of daily practices and weekly competitions.
- Mentored junior coaches, improving team instruction quality and coordination.
- Developed a MATLAB program to optimize swimmer event assignments, improving team performance and reducing planning time.

### Michael's Stores. Inc, Team Member, Stafford, VA

October 2022-Present

- Unload the supply trucks and ensure the store is well stocked.
- Exhibit excellent customer service while handling transactions.
- Assist customers in finding items and fill online orders.