

# Jeremy Badger

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<https://github.com/jbadge>

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Former physics academic seeking to apply and develop skills in technology, leadership, team-based projects, and problem solving.

## Technical Proficiencies

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C# (2 years)	JavaScript (1 years)	TypeScript (1 years)
HTML (2 years)	CSS (2 years)	React (1 years)
PostgreSQL (1 years)	C++ (2 years)	Python (2 years)
Linux (4 years)	Java (1 years)	Windows (20 years)
Mentorship (4 years)	Management (2 years)	

## Career Experience

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**Instructional Lab Coordinator | Lower Division Physics** **Aug 2019 - Mar 2021**  
**University of California, Santa Barbara, Santa Barbara, California**

- Conceptualized and produced remote learning curriculum for lower division physics courses.
- Guided 20+ graduate student team-leaders, delivering weekly lectures, teaching new material and facilitating general and instructional problem resolution.

**Data Research Analyst | Imaging Pipeline** **Jan 2018 - Aug 2019**  
**University of California: Santa Barbara, Santa Barbara, California**

- Led team of ~10 researchers, under Dr. Phillip Lubin, decreasing pipeline runtime duration by 50%
- Organized bi-weekly meetings to address and resolve programming and pipeline issues.
- Took initiative to debug and refactor non-working Python code and develop new code for image analysis pipeline.

**Laboratory Assistant | IT Coordinator, System Administrator** **Jan 2018 - Aug 2019**  
**University of California - Santa Barbara, Santa Barbara, California**

- Managed and maintained network infrastructure and system administration, ensuring optimal performance and reliability of Windows, Mac, and Linux systems.
- Assisted in lab projects for Modern Design course, including additive and subtractive manufacturing projects (Siemens NX, CAM design, 3D printing, laser-cut etchings and CNC

fabrication).

**Physics Tutor at the Tutoring Center**  
**Los Angeles Valley College, Los Angeles, California**

**Nov 2015 - July 2016**

- Worked with undergraduate students struggling in physics to understand various concepts within the discipline.

## **Education**

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**Suncoast Developers Guild**

Full Stack Engineering Program

**University of California, Santa Barbara**

Bachelor of Science in Physics / Minor in Astronomy