

Nigel Bess

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Education

University of California, Santa Barbara

Graduated June 2019

- Bachelor of Science in Mechanical Engineering
- GPA: 3.45

Technical Skills

Programming Languages: C#, C++, Python, Java, MATLAB, HLSL, ShaderLab, Javascript, PHP

Software: Unity, Solidworks, Blender, Abaqus, Excell

Other: SQL, Git, Windows/UNIX Commands, HTML, CSS

Awards

UCSB Capstone: Best Technical Project in Mechanical Engineering

June 2019

- Designed hardware and software for a high precision pan-tilt system for FLIR

UCSB Junior Mechanical Engineering Design Challenge: Best Technical

June 2018

- Designed a safety device for a coffee maker used by dementia patients

Engineering Experience

Lead Engineer: UCSB Neuroscience Research Institute

June 2019 - Present

- Led a team of undergraduate engineers in the design of an automated training system for mice

Research Assistant: UCSB Neuroscience Research Institute

September 2018 - June 2019

- Designed hardware, software, and circuit boards for an automated training rig for mice
- Created a game engine framework and refactored existing code to implement framework
- Maintained documentation of the system design

Video Game Developer: UCSB Anthropology Department

June 2018 - December 2018

- Designed video games used in a research experiment

Other Work Experience

Server: Ritz Carlton Bacara Santa Barbara, CA

June 2017 - June 2018

- Created a personalized eating experience for guests at a high end resort
- Maintained working order of a restaurant in a fast-paced environment

Sales representative: Capay Organic, San Leandro, CA

May 2016 - October 2016

- Represented Capay Organic at various events

Valet: Luxe Valet, San Francisco, CA

January 2016 - May 2016

- Communicated with customers and parked vehicles

Server: Bacara Resort and Spa, Santa Barbara, CA

June 2015 - December 2015

- Created a personalized eating experience for guests at a high end resort
- Maintained working order of a restaurant in a fast-paced environment