Steven Lam

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EDUCATION

Clemson University Clemson, SC
Bachelor of Science in Computer Engineering
Second Semester Junior - Expected Graduation: May 2023

EXPERIENCE

Itron West Union, SC
Applications Developer: Co-op August 2020 - July 2021

- Developed apps in C# utilizing Microsoft's .NET Core, .NET Framework, and ASP.NET frameworks
- Helped develop RESTful WebAPI with database control and scheduled Windows services to communicate with devices via SSH and relay information back to the API.
- Created a .NET Framework library based on SOAP used to connect to Itron's Field-Network Director Servers in order to query meter data.

Clemson University Housing and Dining Clemson, SC
Residential Assistant (RA) August 2019 - May 2020

- Monitor hall of 27 students to ensure university policies are upheld.
- Create monthly bulletin boards that effectively communicated university initiatives in effort to nurture positive relationships.

Clemson University Housing and Dining Clemson, SC
Summer Program Ambassador (SPA) July 2019 - August 2019

- Introduced Clemson University to TigerTown Summerbound participants.
- Held weekly meetings amongst 40 residents to go over events and policies.
- Planned 5 large-scale events for residents to participate throughout 2019 Summer.

TECHNICAL PROJECTS

High-Performance Computing (HPC) Research Clemson, SC
Research Under Tutelage of Dr. Jon C. Calhoun March 2021 - Present

- Used parallel processing for running advanced application programs efficiently, reliably, and quickly.
- Worked with Clemson's Palmetto cluster which functions at 870+ teraflops. 2079 compute nodes, and 28832 cores.
- Helped Palmetto achieve rank 9th among public academic institutions in the US and 392nd overall among all world-wide supercomputers.

Game Development for Dynamical Systems Clemson, SC
Creative Inquiry: Game Development for Dynamical Systems January 2020 - May 2020

- Goal: Develop AI within TORCS (The Open Racing Simulator) to enhance the student's understanding of distributed dynamical systems and intelligent transportation systems.
- Focused on how to connect automobiles to prevent accidents and better identify road hazards by allowing automobiles to relay information to each other through the use of AI.

SKILLS

Technical Skills: C, C#, SQL, .NET, Java, Python, MATLAB, Javascript, HTML, CSS
Development Tools: Visual Studio, VSCode, Atom, Sublime, PyCharm, SSMS
Operating Systems: Windows, Android, iOS, Linux
Languages: English, Chinese (Mandarin, Fuzhounese)