

DANIEL TELLIER

Software Engineer

(818) 274-2301 — telldanieljames@gmail.com — Los Angeles, CA

SKILLS

Languages	C/C++, Python, Java, C#, MySQL, MATLAB, Bash, Tcl
Tools	DataGrip, Agile Development, VSCode, Visual Studio, Unity Game Engine, CUDA
Cloud Technologies	AWS, Google Cloud
Version Control	Git, GitHub
Operating Systems	Linux, Windows

EMPLOYMENT

Northrop Grumman - Los Angeles, CA June 2020 - Current
Software Engineer

- Automated the official testing for the flight management system (FMS) on the Black Hawk Helicopter
- Improved the test scripts run time by finding a pointless socket sending messages every cycle. Once this socket was prevented from running a test script running 10K cycles ran 3 minutes rather than 12 minutes. Now the roughly 220 test scripts for FMS take 5.5 hours rather than 25 hours to run.
- Organized the flight management system test script library
- Generated graphs for analyzing the performance of a partition or application on the Black Hawk

nFlux AI - Los Angeles, CA Sept. 2019 - May 2020
Software Engineer Intern

- Trained robot to learn soccer in 2D simulation using imitation learning
- Robot reached 94 percent accuracy in scoring goals

CSUN TAVLAB - Los Angeles, CA Aug. 2019 - June 2020
Software Engineer Intern

- Designed programming language prototype for JPL
- The language called Proteus is meant to simplify the process of writing hierarchical state machines

Northrop Grumman - Los Angeles, CA June 2019 - Aug. 2019
Software Engineer Intern

- Developed software for aircraft navigational systems to meet current FAA standards
- Designed test scripts to ensure algorithm accuracy
- Auto generated C++ to be utilized in flight critical systems

Shiva - Los Angeles, CA June 2018 - June 2019
Software Engineer Intern

- Utilized machine learning in soccer simulation
- Performed supervised learning on simulation to speed up training time
- Increased experience generation of simulation by 20%
- Developed in Pytorch using Multi-GPU capabilities with CUDA

Systems Engineering Research Lab - Los Angeles, CA June 2018 - Dec. 2018
Software Engineer Intern

- SERL collaborates with the US Air Force and LA Fire Department
- Designed parts of simulation to detect humans in a hazardous building
- Utilized Agile Development to produce software and led Scrum meetings
- Graphically represented over 20 features of the simulation

EDUCATION

CSU Northridge	<i>Jan. 2015 - May 2020</i>
B.S. Computer Science	Overall GPA: 3.6
Dean's List	Spring 2015, Fall 2015, Fall 2016
Courses	Machine Learning, Data Mining, Data Structures, Statistics