

Nicholas Werner

Long Beach CA

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EDUCATION

California State University, Long Beach

Master of Science, Computational Physics

Long Beach, CA
In Progress - Expected Completion June 2020

California State University, Long Beach

Bachelor of Science, Physics - Minor in Computer Science

Long Beach, CA
Dec 2017

EXPERIENCE

CSU Long Beach

Teaching Assistant - Astronomy

Long Beach, CA
Jan 2019

- Take responsibility for student success by leading weekly interactive lab sessions

Norm Reeves Honda Superstore

Internet Sales Manager

Huntington Beach, CA
June 2018–Dec 2018

- Produced 75 total new/used car unit sales, generating over \$130k in gross profits
- Consistent top quartile performer - earned promotion to Internet Sales in only 3 months

CSU Long Beach

Research Assistant – Computational Physics

Long Beach, CA
June 2017 – Aug 2017

- Researched properties of electrons in multilayer graphene with quantum simulations
- Extended Python/Fortran project (1500 LOC) to modularize and add multithreading capability

US Air Force

Geophysical Data Engineer

Cocoa Beach, FL
Dec 2013 – Mar 2015

- Slashed inefficiencies in Windows/Linux data workflow to reduce processing time by 60%
- Created custom data workflow visualization software with Python to facilitate rapid analysis
- Developed Java program to convert geophysical calculation results into XML format
- Wrote training materials and standard operating procedures for brand-new work center
- Drafted 18 technical reports to communicate timely analysis findings to senior leadership

US Air Force

Geophysical Data Analyst

Cocoa Beach, FL
Mar 2011 – Dec 2013

- Analyzed 7.5k seismic events with 90% accuracy – highest data quality in 30-person shop
- Earned shift leader position in 1 year - 6 months ahead of standard training schedule
- Supervised shifts of up to 6 Airmen – held daily responsibility for data quality and timeliness
- Volunteered for additional Satellite Data Analysis duty, alleviating chronic personnel shortage

SKILLS

- Previously held Top Secret/SCI security clearance (active from 2011 to 2015)
- Python – data science (Pandas), data visualization (Matplotlib), scientific computing (NumPy)
- Java – object-oriented design, MVC design, GUI software design, XML manipulation
- Linux/Bash – command line, scripting, file handling, automation, data flow
- Technical writing – drafting standard operating procedures, scientific analysis reports