

Physicist/Deep Learning Developer Physicist/Deep Learning Developer Physicist/Deep Learning Developer - Texas A&M Cyclotron Institute Austin, TX My degree is in Physics, my passion is in Deep Learning. I taught myself how to program at the age of 14 and was immediately hooked. By the time I graduated high school, I had developed and released my own iPhone app. I entered college as a computer science major, but ultimately changed to Physics because of its wider-ranging applicability. Near the end of college, I partnered with renowned nuclear physicist Dr. Che-Ming Ko and his post-doctoral student Dr. Kaijia Sun to develop a deep learning application for heavy-ion collisions. Presently, my partners and I are working to publish our research for the benefit of the Physics community. Over 95% of physicists do not yet use machine learning in their workflows: We intend to change this.

Work Experience Physicist/Deep Learning Developer Texas A&M Cyclotron Institute - College Station, TX January 2019 to Present Working with post-doctoral researcher Dr. Kaijia Sun to develop a Deep Neural Network that can predict a multitude of parameters given experimental data from a heavy-ion collision. Our implementation works extremely well and we are preparing to publish a paper on it.

Python Developer Transamerica Employee Benefits - Boerne, TX April 2018 to May 2019 Developed software that is responsible for keeping Trans systems synchronized with those of certain enrollment groups while maintaining 100% HIPAA compliance. Groups include: Boon Group, Hospital Housekeeping Systems, Rush Enterprises, and Nustar Energy.

Software Consultant Berry Aviation Inc - San Marcos, TX June 2017 to August 2017 Proposed a new design for Berry's flight operations system. Recommended to management a replacement of BAI's FoxPro-based flight ops system with a modern cloud-native microservices deployment.

Camie iPhone App - Boerne, TX June 2013 to September 2014 Published solely-developed iPhone app to the App Store in December 2013. It allowed users to scan documents and save them into a simple organization scheme.

Education Bachelor of Science in Physics Texas A&M University - College Station, TX May 2019

Additional Information SKILLS Languages: Go, Swift, Python, Java, Ruby, LTEX, HTML, Javascript, A Technologies: Tensorflow, Docker, Kubernetes, React, Ruby on Rails, Methodologies: Continuous Integration, Version Control (Git), TDD, LINKS <https://github.com/dillonlpeterson>

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