Evan Anders

Biographical Sketch

Department of Astrophysical and Planetary Sciences
University of Colorado, Boulder
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Professional Preparation

Whitworth University	Physics	BS, May 2014
	Math & Computer Science	Minors, May 2014
University of Colorado, Boulder	Astrophysics	PhD, Expected Graduation: 2019

Most Relevant Courses

Fluid Mechanics Plasma Physics Computational Physics Software Engineering

Relevant Research Experience

- LIGO (Laser Interferometer Gravitational-wave Observatory), Hanford Observatory. NSF SURF Fellow, Summer 2013. Project: Spectral Line Monitoring Tool.
- Pacific Northwest National Laboratory (PNNL), DOE SULI Intern, Summer 2012. Project: Global Arrays in NumPy (GAiN).

Summary

Anders has a strong background in physics and computational methods. He learned techniques used in the development of professional software while working as a team to develop an Android application for his undergraduate school newspaper. Thanks to his time at PNNL, he has developed and improved parallel algorithms and learned the difficulties intrinsic to large-scale computation. During his time at LIGO Hanford Observatory, he dealt with large data sets and learned computational techniques for organization, storage, and visualization. His coursework has included numerous large computational projects, including an undergraduate simulation of interacting charged particles and a graduate level implementation of Maxwell's equations.