

# Noah Miller

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## Experience

### Associate Software Developer

May 2018 - Present

Cypress Creek Renewables - Santa Monica, CA

- Worked with senior developers and product managers to design and develop a real estate management application utilizing React, Angular, and Express as a part of agile workflow
- Responsible for the maintenance and development of multiple AWS Lambdas utilizing Python and PostgreSQL to improve our data flow
- Built micro-services utilizing Javascript, Node.js, Kafka, and MongoDB to provide crucial ETL of solar project development data in near real time
- Independently automated key data processes in deploying features for our core solar project development tool

### Junior Programmer/Analyst

November 2017 – May 2018

Cypress Creek Renewables - Santa Monica, CA

- Utilized Pandas and ARIMA modeling to forecast expenses for every solar project
- Automated business intelligence data syncs with Python
- Managed a BitBucket repo of data analysis and automation scripts with git

### Assistant Researcher

May 2016 - August 2017

Cal Poly Corporation - San Luis Obispo, CA

- Utilized AliRoot, C++, and Python to improve and evaluate a detector upgrade for CERN
- Performed data analysis on particle simulation data to evaluate detector efficiency and performance
- Presented research at multiple conferences both on and off campus
- Documented project procedure and general project information in LaTeX for Senior Project and as an introduction to the project for new student researchers

### Independent Data Analyst

July 2015 - August 2015

Lake Balboa, CA

- Worked with clients to design data products
- Utilized Python, Pandas, and Excel to analyze real estate market data

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## Skills

Programming Languages	Python, Javascript
Web Technologies	Bootstrap, jQuery, React, Angular, Node.js, Express, Kafka, AWS Lamdas
Databases	MongoDB, PostgreSQL
Developer Workflows	Git (bitbucket), JIRA, Agile/Scrum

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## Education

California Polytechnic State University, San Luis Obispo (Cal Poly)  
Bachelor of Science in **Physics**

Graduated June 2017

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## Awards

Cal Poly SPS Outstanding Citizenship Award

Fall 2016 - Spring 2017

- Awarded to members of the Cal Poly Physics community in recognition of their involvement

APS Far West Stephen Chu Award

Fall 2016

- Awarded by the American Physical Society for best undergraduate research experiment at the 2016 Far West Conference