

# Anders Poirel

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## WORK EXPERIENCE

**Data Scientist** | *Joby Aviation* Jul. 2021 - Present

**Data Scientist Intern** | *Fullpower Technologies* Jan. 2021 - Jun. 2021

- Ported Tensorflow models to AWS Inferentia, increasing inference throughput 2x without increasing costs
- Analyzed polysomnography data from sleep studies to validate hardware performance

**Research Intern** | *Center for Research in Open Source Software* Jul. - Sep. 2020

- Improved configurability of Popper's Docker and Singularity runtimes
- Developed DevOps workflows for reproducible computational research

**Research Assistant** | *UC Santa Cruz Genomics Institute* Sep. 2020 - Jun. 2021

- Investigated generative models (GANs, mixture models with EM) for BRCA1/2 genotypes

**Data Scientist Intern** | *Startup Genome* Apr. - Jun. 2020

- Built analysis pipeline in Python for global survey data which reduced time to view new survey results from 2 hours to a few minutes

## VOLUNTEER EXPERIENCE

**Vice-President, President** | *Data Science @ UCSC* Jan. 2019 - Jan. 2021

- Led workshops on data science topics (e.g. data cleaning, statistical learning)
- Led team to top 5% global scores in several machine learning competitions

## SKILLS

**Programming:** Python (Pandas, scikit-learn, PySpark, Pytorch, Plotly/Dash), SQL, R (tidyverse), Javascript (React)

**Software:** Docker, Git, AWS (EC2, ECR, S3), Databricks, Tableau

## EDUCATION

University of California, Santa Cruz Jul. 2017 - Jun. 2021

B.A. Mathematics (Honors), B.A. Computer Science (Honors)

## Selected Coursework

### Undergraduate

Machine Learning & Data Mining  
Functional Programming  
Database Systems

### Graduate

Classical Statistical Learning  
Convex Optimization  
Bayesian Inference

## AWARDS

### The Transparency Project

1<sup>st</sup> place winner of CruzHacks 2020. Interactive data visualization web app aggregating data sources to bring transparency to political ad spending in the US.