# Anders Poirel

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## EDUCATION

University of California, Santa Cruz — *Summer 2017 - Spring 2021 (expected)*
B.A. Mathematics, B.S. Computer Science
**GPA**: 3.63 | **Mathematics Major GPA:** 3.8

**Selected coursework:**

| | |
|---|---|
| Artificial Intelligence | Machine Learning & Data Mining |
| Computational Futurology | Intermediate Bayesian Inference (Grad.) |
| Functional Programming | Intermediate Bayesian Modeling (Grad.) |
| Classical & Bayesian Inference | Computational Methods for Mathematics |

## SKILLS

**Programming**: Python (Pandas, Scikit-learn, TensorFlow, Seaborn, Plotly+Dash), SQL, Scala, C

**Mathematical**: Machine learning, Statistics (Bayesian), Numerical computing (esp. optimization)

**Software Tools**: Git, Google Cloud, Tableau, Linux, Jupyter

**Languages**: English (native), French (native), Mandarin Chinese (classroom)

## EXPERIENCE

**Developer Intern (remote)** | *PushStash* — *Nov. 2019 - Present*
- Contributed to the data pipeline between a predictive algorithm and the front end web app, deploying through Kubernetes.
- Improved performance of portfolio recommendation algorithm, boosting profitability in backtests by more than 20%.

**Small Group Tutor** | *Learning Support Services, UCSC* — *Oct. 2018 - Jun. 2019*
- Tutored groups of 3-6 students for Intro to Formal Logic, Probability Theory and Linear Algebra.

## VOLUNTEER EXPERIENCE

**Vice-President, President** | *Data Science @SC* — *Jan. 2019 - Present*
- Built infrastructure for projects and workshops (repositories, workflow automation, Python environment management)
- Led workshops on data science topics (e.g. data cleaning, data visualization).
- Led work on several machine learning competitions.

## PROJECTS

**Project Portfolio** | https://github.com/Jswig/Project-Portfolio

**LANL Earthquake Prediction Kaggle Competition**
Finished in the top 5% in prediction accuracy using hand-engineered features and ustacked models (linear combination of random forest, KNN and SVM estiamators).

**The Tranparency Project**
Built an interactive data visualization web app using data collected through several APIs (Google, Facebook) designed to bring transparency to political ad spending in the US. 1$^{st}$ place winner of CruzHacks 2020.