

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 uestacked models (linear combination of random forest, KNN and SVM estimators).

The Transparency 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. 1st place winner of CruzHacks 2020.