Andreas "Andi" Linardi Halim

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EDUCATION

University of California, Berkeley| Berkeley, California | GPA: 3.517   Expected Grad: May 2022
Data Science B.A., Computer Science B.A.
Relevant Coursework: Principles and Techniques of Data Science | Data Structures | Linear Algebra | Structure and Interpretation of Computer Programs | Foundations of Data Science | Probability in Data Science | Data Science for Social Impact

PROFESSIONAL EXPERIENCE

Work At Home Vintage Experts LLC   **Berkeley, California**
Data Science Researcher   January 2020 – present
- Employed data cleaning techniques, feature engineering, and predictive visualizations/analytics in Pandas to find indicators of success of remote employees from both client and worker data.
- Analyze unstructured text data of 2000+ employees for use in model and performed cross-validation and grid search to optimize model hyperparameters.

Clover Network, Inc.   **Sunnyvale, California**
Product Analytics Intern   November 2017 – March 2018
- Assessed the impact of merchant-target nurture emails on product features by analyzing data queried from Oracle RDBMS and Google Analytics (clickstream) and creating Python visualizations (presented biweekly slide decks to the Product team and CEO)
- Surveyed over 50,000 merchants to analyze the effectiveness of different service and pricing plans of Clover products and measure net promoter score using SurveyMonkey, Wootric, and Excel

Hoshizora Foundation   **Yogyakarta, Indonesia**
Data Analyst Intern   August – October 2017
- Generated ggplot2 graphs with R for marketing purposes by analyzing surveys of graduates of the student scholarship program
- Developed a customized map interface using Google Maps Javascript API to track locations of rural scholarship applicants

LEADERSHIP AND EXTRACURRICULARS

UC Berkeley Electrical Engineering & Computer Sciences (EECS)   **Berkeley, California**
Tutor (Data 100) and Academic Intern (Data 8)   Jan 2019 – Present
- Teaching students in weekly labs and office hours through peer pedagogy in worksheet and Jupyter notebook guidance for Data 100: Principles and Techniques of Data Science, which teaches upper level data science skills in programming and statistics.

Data Science Society   **Berkeley, California**
President   May 2019 - Present
- Managing the first data science organization at UC Berkeley (~200 students) by leading operations in data consulting projects, academic teaching programs/courses, professional/coding events on campus, and founding a new Social Good committee.

Data Consultant for AdVisary   January 2019 - Present
- Web-scraped data (XML docs, XPath) related to the visa immigration process for high-populated countries (with immigration lawyer consultation) and created Lucidchart flow diagrams to model the AdVisary app flow.
- Designed schemas for NoSQL databases to store/retrieve gigabytes of data and wrote DynamoDB APIs for a Node.js web server.

PROJECTS

Manhattan Taxi Ride Duration   **December 2019**
- Prepared a NYC yellow taxi trip dataset from SQL database to a tidy Pandas DataFrame including extracting points only within Manhattan using a point-in-polygon algorithm.
- Used Pandas and scikit-learn to generate visualizations, as well as principal component analysis to support feature selection
- Compared regularized, unregularized, and tree regression model RMSEs to find optimal model selection for ride time prediction.

Spam Classifier   **September 2019**
- Produced visualizations incorporating WordCloud, Seaborn heatmaps and ROC curves to aid feature engineering process.
- Trained a model using a logistic regression classifier with cross-validation to predict whether an email is spam or not.
- Achieved 97.57% accuracy on Kaggle competition's test data of 5000+ emails.

Project 100 Reviews Pittsburgh   **July – August 2020**
- Created web crawlers using Python, RegEx, and BeautifulSoup to collect business review data (submitted via individually shared urls) for project program members visiting black businesses (provided by local data centers and black business directories).
- Developing website for program members to track business review progress of their group via internal dashboards.

SKILLS

Languages: English, Mandarin Chinese, Bahasa Indonesia
Technical: Python (Pandas, scikit-learn, matplotlib, BeautifulSoup, Regex), R, SQL, Java, Jupyter, Git, HTML, CSS, Microsoft Office, Adobe Premiere, JIRA