James Hartanto

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Summary

After graduating with a B.A. in Chemistry and Economics with a minor in Mathematics, I was able to acquire a job at an energy startup. This was the first time I was exposed to programming; as I was encouraged to learn Python in order to quickly analyze the huge amounts of data collected. I am still passionate about Chemistry and technology; however, I want to challenge myself and solve various problems, therefore I took a boot camp Java course at the Iron Yard. Being a developer excites me because I enjoy learning.

Skills

- Java: Terminal - Version Control (Git and GitHub) - JUnit and TDD - Object-Oriented Programming - Persistence - Debugging - Serialization and Deserialization - SQL, PostgreSQL, and H2 - HTML - Spring - Thymeleaf - REST and API - Security
- Python, LabView, OriginPro, Stata, MatLab, Microsoft Office
- Others: Bilingual in English and Mandarin, laboratory techniques

Experience

Java Associate Instructor at The Iron Yard   July 2017

- Teach and explain technical concepts in Java to students
- Review student code to troubleshoot and find ways to refactor the code
- Learning Javascript and CSS styling

Data Analyst at JuiceKeys   May – July 2017

- Compiled data using Clover API to manage sales and inventory for juice bar
- Used IntelliJ to organize and export data to Excel
- Created graphs for historical performance and predicted future trends in Excel

The Iron Yard Projects   February – May 2017

- Animal Shelter: Website that manages animals in a shelter by using a database.
  - GitHub, TDD, Persistence, SQL, PostgreSQL, H2, HTML, Spring, Thymeleaf
- Pick-tator: Website that allows users to create their own dictator and vote for or against other dictators
  - GitHub, Persistence, SQL, PostgreSQL, HTML, Spring, Thymeleaf, Security, Agile
- Snakes & Ladders: A multiplayer game designed with UI students where we designed the outcome of the game
  - GitHub, Serialization and Deserialization, HTML, Spring, Thymeleaf

Junior Data Scientist at Energy Startup   February – December 2016

- Taught myself Python and necessary laboratory techniques to accomplish tasks effectively
- Reviewed LabVIEW code to fix mistakes and add more functionality in collecting data
- Created tests and experiments and then conducted data analysis using Python
- Constructed electrical circuits both electronically and physically
- Used scientific theories to evaluate scientific reports and replicated experiment to validate results
- Wrote reports on experimental results and patents on technological ideas

Junior Analyst at Cherokee   Summer 2015, December – January 2017
- Worked closely with principals of private equity fund manager and venture capital investment firm focused on real estate, energy and environmentally sustainable initiatives
- Prepared and presented deal summaries, credit committee updates and investment recommendations
- Completed training on accounting and reporting, financial analysis and modeling, regulations, fundraising and fund management, international business and corporate governance, including non-profit

Education

The Iron Yard Raleigh: Java course   February 2017 – May 2017

Back-End Engineering Certificate – 12 week immersive program learning Java and up to date related programs
- Worked well with front-end UI students to build projects, offered help to other students with debugging and class material, etc.
- Created personal website: jameshartanto.github.io

Occidental College   May 2015

Bachelor of Arts in Chemistry and Bachelor of Arts in Economics; minor in Mathematics
- Chemistry Research: PFDDA partitioning at Air-Aqueous Interface   Spring and Summer 2013, Spring and Summer 2014
- Economics Mock FOMC Meeting   Spring 2015
- Honors and Awards: Dean's List - Stauffer Trust Research Funding Recipient - American Chemical Society Certified