JOSHUA S. ISAACSON

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EDUCATION

Indiana University Bloomington   2016 - 2020

- B.S. Computer Science with Minor in Business
- GPA: 3.54

EXPERIENCE

Quantitative Trading at IU   2017

Research Assistant

- Developed a sentiment-based quantitative trading strategy that achieved 44% cumulative returns and a 1.33 Sharpe ratio.
- Designed and utilized a well structured research workflow to systematically analyze potential alpha factors.
- Used Jupyter Notebooks and GitHub to effectively collaborate with the team.

IU Privacy Lab   2016

Research Assistant

- Processed over 1 million open-source image metadata from Flickr with Amazon Web Services S3, Redshift, and Python.
- Integrated the Microsoft Azure Emotion API to detect emotion from images.
- Collaborated with a team to design rich data visualizations of image metadata data with Tableau.

PROJECTS

Deduct It!   2017

- Deduct It! is an iOS app written in Swift designed to streamline the process of logging tax-deductible expenses.

JET   2017

- JET is a tool built to track weight training progress for those familiar with the command line.
- Built with Java, Maven, and Spring Shell.

TECHNICAL SKILLS

Languages: Java, Python, Swift, SQL, HTML, CSS

Tools: Git, Unix, IntelliJ, Xcode

HONORS

- St. Joseph County Volunteer of the Year Award, 2016
- Presented at the American Association for the Advancement of Science 2016 Annual Meeting
- IU Provost Scholarship, 2016 - Present