John Pugliesi

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

BS in Computer Science/Business Administration

May 2017 | Los Angeles, CA

GPA: 3.92 / 4.0

Minor in Music Recording
Viterbi School of Engineering
Dean's List (All Semesters)

COURSEWORK

Principles of Software Development
Algorithms
Data Structures and Object-Oriented Design
Discrete Methods in Computer Science
Applied Linear Algebra
Introduction to Digital Logic
Microeconomics for Business
Macroeconomics for Business
Foundations of Accounting

SKILLS

PROGRAMMING

Over 5000 lines:
C++ • Java
python (and Django) • HTML

Over 1000 lines:
ruby (and Rails) • Javascript
CSS • PHP

Familiar:
MySQL • NoSQL
regex • Android • LaTeX

SOFTWARE

Bloomberg • FactSet
FileMaker • Android Studio
Pro Tools • Logic Pro X
Xilinx

LINKS

Github:// **jpugliesi**
LinkedIn:// **jpugliesi**

EXPERIENCE

ALBOURNE PARTNERS

Dynamic Beta Summer Analyst

June 2015 – August 2015 | San Francisco, CA

- Implemented investable, quantitative index models using python
- Performed data analysis and backtesting on models to assess strategy risk and robustness
- Contributed quantitative insight to advisory risk reports utilized by over 40 clients
- Developed a liquidity analysis report to assist in evaluating the commodity futures market

USC INVESTMENT OFFICE

Investment Analyst Intern

August 2014 – Present | Los Angeles, CA

- Performed a weekly asset allocation, estimating the $4 Billion University of Southern California Endowment portfolio's month-to-date performance
- Developed a private equity cash flow forecasting model, which has been adopted across the organization for informing more robust valuation projections and investment decisions
- Wrote Excel VBA macros for a long-term project analyzing fund manager correspondence and portfolio performance data
- Research, aggregate, and analyze information on securities, funds, and other pertinent data for Analysts to review

WHADDY

Software Engineering & Web Development Intern

May 2014 – August 2014 | Boston, MA (Remote)

- Co-Developed an MVP for an e-commerce Ruby on Rails website within an agile team
- Extended the open source Spree Commerce Rails platform
- Implemented AJAX for dynamic web pages within the Rails application

SOUTHERN CALIFORNIA EARTHQUAKE CENTER

Web Design and Database Assistant

February 2014 – May 2014 | Los Angeles, CA

- Designed web pages and managed databases for The Great Shakeout (shakeout.org) and other SCEC operated websites

LEADERSHIP & INVOLVEMENT

USC HYPERLOOP

Software Team - SpaceX Hyperloop Pod Competition

September 2015 – Present

- Contributing to the design and implementation of software architecture for a high-speed ground transportation system
- Develop critical flight control tasks in C/C++ for the National Instruments Real-Time Linux OS, executed by the pod's onboard computer

CLARION LABS

Co-Founder, Pro-bono Consultant for the USC Department of Public Safety

March 2015 – Present

- Provide USC's Department of Public Safety with statistical insights into crime data and reporting methods, while promoting campus awareness of local crime