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

Algorithms
Data Structures
Object-Oriented Design
Probability and Statistics
Discrete Mathematics
Applied Linear Algebra
Operations Management
Marketing Fundamentals
Business Finance
Microeconomics for Business
Macroeconomics for Business

SKILLS

PROGRAMMING

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

Over 1000 lines:
R • ruby (and Rails)
HTML • CSS

Familiar:
MySQL • NoSQL
regex • LATEX

SOFTWARE

Bloomberg • FactSet
Pro Tools • Logic Pro X
Xilinx

LINKS

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

EXPERIENCE

NIKE, INC.
Application Engineer Intern
June 2016 - August 2016 | Beaverton, OR

- Contributed towards development of Nike's global inventory forecasting application - vanilla.js front-end app, node.js and Java/Jersey microservices, in a SCRUM workflow with a continuous delivery pipeline
- Completed a long-term project developing an retail planning calendar microservice - Designed and implemented a RESTful API with Java/Spring, AWS DynamoDB datastore, and containerized with Docker
- Wrote unit and integration tests for front- and back-end applications in javascript (Mocha, Chai, Sinon) and Java (JUnit)
- Collaboratively created a personalized, proximity-based in-store consumer experience that won the Nike Digital Intern Hackathon

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 reports for over 40 clients

USC INVESTMENT OFFICE
Investment Analyst Intern
August 2014 – Present | Los Angeles, CA

- Performed a weekly asset allocation, estimating the $4.7 Billion University of Southern California Endowment portfolio's month-to-date performance
- Developed a now-adopted private equity cash flow forecasting model based on investment multiples
- Wrote Excel VBA macros to expedite numerous analytical tasks

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