OLIVER P. SCHWARTZ

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EDUCATION

Princeton University (Princeton, NJ) **September 2017 – June 2021**

B.S.E. Candidate in Computer Science (GPA 3.94)

- **Academic Distinction** 2017-18
- **Shapiro Prize** for Academic Excellence (2018)
- **President of Tau Beta Pi** Engineering Honors Society

Sydney Grammar School (Sydney, Australia) **February 2011 – November 2016**

Higher School Certificate

- **NSW Distinguished Achievers** List, NSW All-Rounders List
- **99.80** Australian Tertiary Admissions Ranking (of a maximum 99.95, i.e. top 100 of over 77,000 candidates)
- **Full Academic Scholarship** (2011-2016), Arthur Giles Memorial Prize, Old Sydneian's Memorial Prize

EXPERIENCE

Bridgewater Associates (Westport, CT) **June - August 2020**

Investment Logic Engineer

- Building and designing algorithms to translate macroeconomic views into portfolios.
- Rigorous internal course centered around developing holistic understanding of financial markets.

SkoposLabs Automated Predictive Intelligence (New York, NY) **June - August 2019**

Software Engineer

- Supervised machine learning to convert signals to actionable trading rules. Comparing, evaluating, and reasoning about varying model behavior
- Construction and implementation of a specification for a trading module; algorithmic optimization of backtesting/simulation procedures
- Full-stack development (Python - Django, JS, AWS) on Skopos' user interface for traders, investors and legal experts
- Automating parsing, processing, and displaying data queried from an ElasticSearch backend. Porting and testing Python modules from version 2.7 to 3.7

Princeton University Computer Science Department (Princeton, NJ) **September 2017 - Present**

Teaching Assistant

- TA for Intro to Computer Science, Programming Systems, and Algorithms & Data Structures - helping engineering students write modular and well-written code
- meet-up™ - a webapp for creating and scheduling activities. Built with Django & MapBoxJS API
- 'Social Media Game or Ball Game' - a predictive engine to forecast the NBA All-Star vote. Built with pure Unix for data processing and Python's scikit-learn package for modelling

SKILLS AND INTERESTS

Programming and Systems Proficiency: Java, C, Python [Flask, Django], Bash, Linux, Verilog, AWS, GitHub, JavaScript, Go, MATLAB

Relevant Coursework: Algorithms & Data Structures, Programming Systems, Electronic Circuit Design, Logic Design, Advanced Programming Techniques, Network Theory, Distributed Systems, Natural Language Processing, Mathematics for Numerical Computing, Computer Graphics

Language Fluency: English & Slovak (native fluency)

Princeton University Rowing Team (2017-present)