

JULIAN VERA

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EDUCATION

Williams College

B.A. in Computer Science

Williamstown, MA

Expected: June 2018

Aquincum Institute of Technology

Budapest, Hungary

Jan. – May 2017

Computer Science Coursework:

- **Core CS:** Algorithm Design and Analysis, Computer Organization, Principles of Programming Languages, Theory of Computation
- **Electives:** Artificial Intelligence, Natural Language Processing, Semantic and Declarative Technologies

WORK EXPERIENCE

Hutchin Hill Capital, LP

Quantitative Research Intern

Manhattan, NY

June 2017 – Sept. 2017

- Implemented and deployed an ETL script entailing heavy SQL query data manipulation
- Responsible for writing multiple unit tests involving mock objects and patch decorators
- Added functionality to internal service website UI using JavaScript and Ajax
- Further developed written and verbal communication skills through weekly team meetings

Department of Computer Science, Williams College

Teaching Assistant

Williamstown, MA

Sept. 2016 – Dec. 2016

- Teaching assistant for *Diving into the Deluge of Data*, an introductory Python focused course
- Wrote scripts to grade labs and helped students understand object-oriented and functional programming

TECHNICAL SUMMARY

Programming:

Proficient in: Java, Python, Prolog, Unix/Linux

Experience with: C/C++, SQL, JavaScript, x-86 Assembly, Git, HTML, CSS, Vim

Projects:

- *Project Euler*: Project Euler is a series of challenging mathematical problems that require elegant and efficient programming skills. The run time for each solution should be under a minute.
- *Word Predictor*: Used N-Gram model and OOP to create a word predictor
- *Traffic Jam*: Wrote a program in Java that solves Traffic Jam/Rush Hour puzzles using A* search
- *Website*: Deployed a personal website using Bootstrap, HTML, and CSS via GitHub pages
- More projects linked to code: <https://github.com/VeraJulian>

AWARDS AND INTERESTS

Gates Millennium Scholar: Awarded to 1,000 out of over 50,000 applicants in the year of 2014

Campus Clubs: Ritmo Latino, Campus DJ, MMA/Boxing