

# Zbynek Stara

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## SKILLS

**Computer Languages:** Python, SQL, R, Java, JavaScript, C++, PHP  
**Web Frameworks:** d3.js, Flask, Tornado, Node.js, Laravel

## EDUCATION

**New York University** ..... May '17  
Bachelor of Science in Computer Science • *Magna Cum Laude* • GPA: 3.95

## EXPERIENCE

**Google**, Dublin, Ireland ..... May '16-Aug '16  
Business Intern – EMEA (Finance Analyst) (Paid Position)

- **(SQL + PLX + Dashboards)** Data analysis, visualization, and dashboarding
- Created tools to analyze Video ARPA and sales performance metrics
- Developed a sought-for boxplot visualization using native line chart graph

**UAEgo**, Abu Dhabi, UAE ..... Apr '16-May '17  
Startup Technical Co-Founder + Mobile Developer

- **(Java + Android)** Developed the **UAEgo** AR-enabled travel app for the UAE

**Computer Science Bachelor's Thesis**, Abu Dhabi, UAE ..... Sep '15-Aug '17  
"Spatial Distortion Approach to Traffic Congestion Visualization"

- **(Python)** Developed a new traffic visualization and performed a user study
- **(R)** Showed that the visualization is better than Google's in several cases

**NYUAD Online Services & Applications**, Abu Dhabi, UAE ..... Dec '14-Jun '15  
Software Engineering Intern

- **(PHP + JavaScript)** Developed a web app for easy creation of newsletters

**SingleDrop / QatarehHaya**, Abu Dhabi, UAE ..... Feb '15  
Project Leader + Web Developer

- **(Python + Flask)** Developed a web app to link blood donors with hospitals

**FindMeTheWords.com**, Singapore, Singapore ..... Jun '14-Jan '15  
Startup Technical Co-Founder + Web Developer + Data Manager

- **(Python + Tornado)** Developed a web dictionary/language learning tool
- **(SQL)** Optimized performance to serve over 1 million words in seconds

**BadGov / Shoftak**, Abu Dhabi, UAE ..... Feb '14  
Project Leader + Web Developer

- **(PHP + Laravel)** Developed a web app to aid accountability in public sector

**Computer Science Honors Thesis**, Prague, Czech Republic ..... Jan '12-May '13  
"Enhancement of the FAR Multi-Agent Pathfinding Algorithm"

- Identified 3 shortcomings of a published multi-agent pathfinding algorithm
- **(Java)** Presented improvements of the algorithm and added a visual GUI