

DENIZALP GÖKTAŞ

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EDUCATION

Brown University <i>Ph.D. in Computer Science</i>	Providence, RI <i>May 2024 (Expected)</i>
Brown University <i>M.S. in Computer Science</i>	Providence, RI <i>May 2021 (Expected)</i>
Columbia University <i>B.A. in Computer Science-Statistics, Magna Cum Laude; GPA: 3.80/4.00</i> <u>Honors</u> : Political Science Honor Society, Columbia Honor Society, Jean Louis-Dreyfus Scholar	New York, NY <i>May 2019</i>
Paris Institute of Political Studies <i>B.A. in Political Science-Economics, Magna Cum Laude; GPA: 4.00/4.00</i>	Paris, France <i>May 2019</i>

EXPERIENCE

Carnegie Mellon University <i>Research Assistant</i> <ul style="list-style-type: none">◦ Coded an agent-based simulation using C++ (~50,000 lines coded alone).◦ Computational Mathematics: Used the Blaze C++ library to create a proprietary pseudo-inverse routine.◦ Object Oriented Programming: Designed classes and routines using OOP for the agent-based simulation.◦ Visualization: Created R scripts using ggplot2 and the Tidyverse packages to analyze output data.	New York, NY <i>May. 2019 - Present</i>
Columbia University <i>Research Assistant</i> <ul style="list-style-type: none">◦ Co-authored with professor Seth Goldstein a research paper on an agent-based model of automation.◦ Mathematical Modeling: Developed the mathematical model used in the agent-based simulation.◦ Algorithm Creation: Invented a many-to-many matching algorithm and proved its mathematical properties.	New York, NY <i>Jan. 2018 - May 2019</i>
DNB Markets <i>Investment Banking Summer Analyst</i> <ul style="list-style-type: none">◦ Automation: Coded VBA scripts reducing the time needed to create a bond cross-holders list by ~95%.◦ Data Aggregation: Created an automated transaction dashboard template for healthcare IPOs.	New York, NY <i>Jun. 2018 - Aug. 2018</i>
Hikma Pharmaceuticals <i>Mergers & Acquisitions Summer Analyst</i> <ul style="list-style-type: none">◦ Automation: Automated data querying for risk models using python scripts.	Amman, Jordan <i>Jun. 2017 - Aug. 2017</i>
Columbia University, Office of Computing <i>AV Technician</i> <ul style="list-style-type: none">◦ Event Organization: Monitored and managed academic conferences; met with event organizers to answer requests.	New York, NY <i>Sep. 2017 - May 2019</i>

VOLUNTEER EXPERIENCE

HAPPIH (happih.org) <i>Co-founder and Co-director</i> <ul style="list-style-type: none">◦ Led an international gender equality campaign through the production and distribution of reusable sanitary pads.◦ The campaign was endorsed by the government of Monaco and numerous local and international news outlets.	Paris, France <i>Nov. 2017 - Present</i>
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ACCOMPLISHMENTS AND SKILLS

International Humanitarian Aid Award <i>Solidarity Challenge</i> <ul style="list-style-type: none">◦ Project Grant: Awarded a 10,000 euros grant to execute a humanitarian aid project in Morocco.	Monte Carlo, Monaco <i>November 2017</i>
The Conservatory of Menton <i>Classical Dance Degree</i>	Menton, France <i>May 2017</i>

Languages : French (fluent), Turkish (fluent), Spanish (advanced), Arabic (intermediate)

Programming :C++, CSS, ggplot2, Html, Java, Keras, NumPy, Pandas, Python, R, SciPy, SQL, Tensorflow, Tidyverse, VBA