

# GABRIEL GAGNÉ

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## EDUCATION

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### Open University

City of London, United Kingdom

*Bachelor of Science in Computer Science*

Aug 2017 – Jun 2021

- **Honors:** 4.0 / 4.0 GPA, President's List, Dean's List
- **Courses:** Algorithms & Data Structures, Applications in Quantitative Finance, Engineering Data Analysis, Compiler Architecture
- **Thesis:** A convolutional neural network for predicting Greenland glacier melt and glacial water flow
- **Activities:** Debating, Chess, Cricket

### Harvard University

City of London, United Kingdom

*Bachelor of Science in Computer Science*

Aug 2017 – Jun 2021

- **Honors:** Summa Cum Laude (4.0 GPA), President's List, Dean's List
- **Courses:** Algorithms & Data Structures, Applications in Quantitative Finance, Engineering Data Analysis, Compiler Architecture
- **Thesis:** A convolutional neural network for predicting Greenland glacier melt and glacial water flow
- **Activities:** Debating, Chess, Cricket

## WORK EXPERIENCE

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### X Company

Remote / New York, New York

*Senior Developer*

Aug 2021 – May 2023

- This being the theory I hold, why need I be afraid of not being able to reconcile it with the case of my ancestors?
- The wise man therefore always holds in these matters to this principle of selection: he rejects pleasures to secure other greater pleasures, or else he endures pains to avoid worse pains.
- Do you really believe that they charged an armed enemy, or treated their children, their own flesh and blood, so cruelly, without a thought for their own interest or advantage?

### National Aeronautics and Space Administration - Jet Propulsion Laboratory

Pasadena, California

*Senior Developer*

Aug 2021 – May 2023

- This being the theory I hold, why need I be afraid of not being able to reconcile it with the case of my ancestors?
- The wise man therefore always holds in these matters to this principle of selection: he rejects pleasures to secure other greater pleasures, or else he endures pains to avoid worse pains.
- Do you really believe that they charged an armed enemy, or treated their children, their own flesh and blood, so cruelly, without a thought for their own interest or advantage?

## LEADERSHIP & ACTIVITIES

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### White Hat Hackers Association

Cambridge, United Kingdom

*Vice President for Internal Affairs*

May 2020 – May 2021

- But I must explain to you how all this mistaken idea of reprobating pleasure and extolling pain arose.
- But who has any right to find fault with a man who chooses to enjoy a pleasure that has no annoying consequences, or one who avoids a pain that produces no resultant pleasure?
- Can you then suppose that those heroic men performed their famous deeds without any motive at all?

### London Bridge Toastmasters Club

City of London, United Kingdom

*Member*

Jun 2022 – Jun 2023

- Won Champion in the Division A District X Speech Evaluation Contest of Toastmasters International
- Promising Toastmaster of the Year (PY 2022-2023)
- Tell me, pray, what explanation do you put upon their actions?

## PROJECTS

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### Job Tailor

*Open University*

Nov 2020 – Apr 2021

- Created an AI-powered resume editor application that allowed users to easily create different resumes and cover letters specifically tailored to and customized for individual job descriptions based on their personal information in their complete curriculum vitae.
- Acquired more than 100,000 user sign ups in 3 months and more than 10,000 active monthly users in its lifetime before being sold to investors.

- Generated profit of upwards \$20,000 yearly with a team of only four developers and three business operatives

## HONORS & AWARDS

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### Champion in the Division A District X Speech Evaluation Contest

Issued by *Toastmasters International*

City of London, United Kingdom

May 2023

### Finalist in the 2020 SCG Bangkok Business Challenge Global Competition

Issued by *Sasin School of Management*

Bangkok, Thailand

Jul 2020

- Made it to the Top 5 (selected from over 100 teams) in the world for the semi-finals of the SCG Bangkok Business Challenge @ Sasin 2020 Global Competition held at Bangkok, Thailand from July 7-12, 2020.
- Served as the speaker and presented in the 60-second pitch round of the Opening Reception of the SCG Bangkok Business Challenge @ Sasin 2022 for Team London Bridge.

## LICENSES & CERTIFICATIONS

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### Learning How to Learn: Powerful mental tools to help you master tough subjects

Issued by *Coursera*

Sep 2021

## RESEARCH & PUBLICATIONS

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### A convolutional neural network for predicting Greenland glacier melt and glacial water flow

Published on *Theoretical and Computational Fluid Dynamics*

Sep 2020

## SKILLS, LANGUAGES, INTERESTS

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- **Languages:** English (Native speaker), German (Native speaker), Japanese (Basic proficiency)
- **Soft Skills:** Public Speaking, Debating, Communication, Critical Thinking, Leadership, Persuasive Writing, Technical Writing
- **Programming:** Python, SQL, PostgreSQL, MATLAB/Octave, HTML, CSS, Javascript, Typst, LaTeX
- **Tools:** Microsoft Word, Git, Docker, Visual Studio Code, Canva
- **Web Development:** React, Next.js, million.js, Svelte & Sveltekit, Tailwind CSS, Node.js, Deno, FastAPI, Flask
- **BI & Data Analytics:** Microsoft Excel, Microsoft Power BI, Jupyter Notebook, Numpy, Pandas, Plotly, Altair
- **Interests:** Video Games, Anime, Reading Non-fiction, Classical and Original Soundtrack Music

## REFERENCES

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- **Dr. Jane Austin:** "John was a great student. He was always eager to learn new things and was very passionate about his studies. As his mentor, I am proud to say that he was also a great leader and was able to lead his team to victory in the 2020 SCG Bangkok Business Challenge Global Competition."