



Kyle Williams

Nationality: American | **Gender:** Male | **Email address:**
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WORK EXPERIENCE

21/06/2021 – 04/08/2021 Brooklyn, United States
ASSISTANT TO CHIEF OF STAFF NEW YORK SENATOR JABARI BRISPORT

- Attended and took notes at numerous meetings
- Helped to find possible locations for outreach event, automate bill research using technology and programming; was later commissioned to create a web interface for bill research script in June 2022
- Filled out numerous spreadsheets with Google Sheets, Airtable
- Created a healthy relationship with NYS Senate Developer Team

Address 906 Broadway, 2nd Floor, Brooklyn, NY, 11206, Brooklyn, United States | **Email** brisport@nysenate.gov |

Website <https://www.nysenate.gov/senators/jabari-brisport>

20/06/2022 – 26/08/2022 Marlborough, Massachusetts, United States
ASSISTANT TO HEAD OF ENGINEERING STREAMFORGE

- Reverse-engineered hidden web APIs to write, and maintain numerous Node.js microservices
 - Steamworks
 - YouTube
 - Twitch
 - Protocol Buffers
- Worked on two Vue.js frontends
- Interacted with MongoDB, RabbitMQ
- Designed future data aggregation and notification systems

Business or Sector Information and communication | **Department** Engineering & Product |

Website <https://streamforge.com/>

05/06/2023 – 18/08/2023 Marlborough, Massachusetts, United States
ASSISTANT TO HEAD OF ENGINEERING STREAMFORGE

- Return offer from previous year's internship
- Worked on implementing numerous exploratory AI products for clients to gain better insight on advertising effectiveness
- Reverse-engineered TikTok API to implement new collection of microservices
- Worked with various AI/database tools
 - OpenAI Embeddings
 - Anthropic Claude
 - Supabase
 - pgvector
 - Weaviate

EDUCATION AND TRAINING

05/09/2023 Cambridge, Massachusetts, United States
BACHELOR'S DEGREE Massachusetts Institute of Technology

Website <https://mit.edu> | **Field of study** Information and Communication Technologies

LANGUAGE SKILLS

Mother tongue(s): **ENGLISH**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| SPANISH | A1 | A1 | A1 | A1 | A1 |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Computer programming (advanced)

Python | HTML | Bash | TypeScript | Svelte | JavaScript | SQL | Java

Computer programming (intermediate)

CSS | Rust | C | Go

Database technologies

SQLite | Dolt | MongoDB | PostgreSQL

Computer programming (beginner)

Wolfram Language + Wolfram Mathematica

System administraiton

Linux | Docker | Git | systemd

Areas of study

Computational linguistics: syntax, grammar, semantics | Programming languages | Type systems | Compilers | Interpreters | Graph theory | Set theory | Databases | User experience | Data science