# Ala'a M. Tamam

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## EDUCATION

**NORTHEASTERN UNIVERSITY, Khoury College of Computer Science**                              **GPA: 3.75/4.00**
*Candidate for Bachelor of Science in Data Science and International Affairs*                              **Boston, MA**
**Awards and Activities:** Code4Community Product Designer**,** Honors Student, Dean's List, IWG "Hack the Patriarchy"          **Class of 2026**
Winner of People's Choice Award and Activism Award, AP Scholar with Distinction (2020 - 2022), DAR Good Citizen
Award, Illinois State Scholar
**Relevant Courses:** AI4 Impact, Object-Oriented Design, International Law, Foundations of Data Science, Fundamentals of
Computer Science I & II, Discrete Structures

## TECHNICAL SKILLS

**Computer:** Python, Sql, Jupyter Notebook, Java, HTML, CSS and Racket. Intranet Quorum (IQ), Indigov, Microsoft Suite,
Outlook, MS Teams, Google Workspace, Slack
**Languages:** Fluent in English and Arabic

## PROJECTS

**CHIEF ADMINISTRATIVE OFFICE (CAO) OF US HOUSE OF REPRESENTATIVES**                              **Boston, MA**
Lead Product Manager and Communications Liaison for *CivicConnect*                              *September - December 2023*
- Led the development of CivicConnect under the direction of Northeastern University's Burnes Center for Social Impact, the PopVox Foundation and Marci Harris, to create a constituent-engagement tool for the CAOs implementation. Corresponding code and publication available upon request
- CivicConnect is a GPT powered chatbot, aiding congressional staffers by conducting intake for constituent advocacy service requests, receiving opinions from constituents and communicating legislative standpoints from an approved adaptable list of talking points to constituents. Utilized Node.js, Python, Javascript, GPT-APIs
- Creates smart data-analytics and visualizations based on daily correspondence received from constituents for staffer analysis. Implementation prototyped based on Congressman Moultans office.

**BIG SISTER PROJECT**                              **Boston, MA**
                              *November 2022 - June 2023*
- Co-Founder & CEO, The Big Sister App (Nov 2022 - Nov 2023): Developed a web-app with fellow students to combat harassment on college campuses. Utilized Python, Java, and SQL in development. Focused on a community-driven approach for safety and support.
- Provides real-time alerts of unsafe areas via an interactive heat map, connects survivors to university resources, and stores data for informed safety decisions by users. Corresponding code and University publication available upon request.

## PROFESSIONAL EXPERIENCE

**OFFICE OF CONGRESSWOMAN AYANNA PRESSLEY**
Congressional Intern, *Speciality in Data Science and Analytics*                              **Hyde Park, MA**
                              *September - December 2023*
- Integrated Data visualizations and data-driven analytics into office workflow; Led initiative to modernize House software and facilitated research between Rep. Pressleys District Director and MIT.
- Actively Assisted the Legislative Staff Using Programs like IQ to Catalog Constituent Correspondence; Faxes, Scan Mail, and Record Phone Calls, by Issue Batch.
- Facilitated the coordination of staffing events and constituent-facing affairs.

**NORTHEASTERN UNIVERSITY**                              **Boston, MA**
Biotech Data Scientist and Analyst                              *January 2023 - Present*
- Contributed to the development of a large data set that contains details on all products under development by biotech start-ups.
- Worked using an established methodology to gather, input, and clean large sets of data.
- Used Microsoft Office and R to create a program to simplify data collection.

Discrete Structures Teaching Assistant, *Khoury College of Computer Science*                              **Boston, MA**
                              *January - May 2023*
- Collaborated with team of teaching assistants to assist with classroom instruction, grading of assignments and clarifying of concepts or lecture material
- Held office hours regularly, working with students in order to increase comprehension of mathematical concepts

Ethnographic Researcher, *Department of International Affairs*                              **Boston, MA**
                              *August - January 2023*
- Worked with team of researchers to transcribe research done overseas, accounting for dialectical differences and accents.
- Reviewed and edited data to ensure completeness and accuracy of information; follow up with subjects to resolve issues or clarify data collected.

**LT. GOV JULIANA STRATTONS IL. WOMAN AND GIRLS COMMITTEE**
Academic and Economic Opportunity Committee Member                              **Springfield, IL**
                              *August 2021 - August 2022*
- Worked closely with the Lieutenant Governor and the Illinois State Board of Education to identify the root causes of achievement gaps within the workplace and academic environments.
- Created comprehensive legislation to assist single parents find childcare while attending university classes to avoid child care related withdrawals and unenrollments from universities.
- Addressed the Illinois State Board of Higher Education, presenting our findings and research- overall resulting in policy changes to address the key issues.