

Hossam Mabed

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Education

HARVARD UNIVERSITY

A.B., Computer Science in MBB track with Secondary in Government. GPA: 3.918 / 4.0

Relevant Coursework: Systems Programming, Abstraction in Computation, Theoretical Computer Science.

Study Abroad in Trento, Italy, doing coursework in Mind, Brain, and Behavior.

Cambridge, MA

August 2017 – May 2021

June 2018 – August 2018

EGYPT BRITISH INTERNATIONAL SCHOOL

Top in Country in Computer Science A-level. Thirteenth Place nationally in Egyptian Olympiad of Informatics.

Cairo, Egypt

June 2017

Technical Skills

Programming: C/C++, PHP/MySQL, Python, JavaScript/jQuery, Node.js, React, React Native, GraphQL, OCaml, WordPress

Operating Systems: Windows 10/8/7, Linux (Ubuntu), Mac OS.

Projects

PERSONAL SITE (hossammabed.com) (github.com/hossam-nasr/hossam-nasr.github.io)

December 2018 – January 2019

- Developed and designed my personal site from scratch using React and libraries such as FontAwesome. Hosted on GitHub Pages

FORMS4FRIENDS (github.com/caryaristotle/forms4friends)

November 2018

- Worked in group of 3 to develop a legal form-filling assistance tool for the disenfranchised in the HLS Justice Hackathon 2018.
- Developed most front-end logic, core framework, form rendering, using React and libraries such as React Router, etc.

LIGHTSOURCE (lightsource.ga) (<https://github.com/hossam-nasr/lightsource>)

April 2016 – January 2017

- Developed the game from scratch, where players click on lightsources to collect photons to buy more lightsources and so on.
- Front-end: JavaScript/jQuery, HTML, CSS, and libraries like Animate.CSS, Noty.js. Back-end: native PHP and MySQL.

Technical Experience

CHOCO COMMUNICATIONS GMBH

Berlin, Germany

Growth Development Intern

June 2019 – Present

- Implemented the currently used demo of the app on the company website, including Zendesk integrations, mainly using React.js
- Work with a team of 3 on developing the driver app to help suppliers navigate directions and ship products, using React Native

HARVARD STUDENT AGENCIES: DEV

Cambridge, MA

Software Engineer (12 hrs/week)

October 2018 – Present

- Worked on teams of 4-7 in developing 2 iOS and Android mobile applications: The Key and AAlum, implementing core front-end features in registration flow, data input and validation, unit-testing and debugging using React Native, GraphQL.

Leadership and Activities

HARVARD COLLEGE CYBERSECURITY CLUB

Cambridge, MA

Active Member

September 2017 – Present

- Conduct and practice weekly exercises in Cybersecurity systems using Linux

HARVARD DIGITAL LITERACY PROJECT

Cambridge, MA

Volunteer

September 2018 – December 2018

- Taught basic CS concepts to underprivileged middle school students, 1hr class/week, starting with Scratch up to Processing.js

INTERNATIONAL RELATIONS COUNCIL

Cambridge, MA

Travelling Member, ICMUN; Director of Cabinet of Syria

January 2018 – Present

- Compete and represent Harvard in MUN conferences over the US. Outstanding Delegate, Honorable Mention
- Wrote a 70-page background guide on the history and context of the Syrian conflict

HARVARD COLLEGE PALESTINE SOLIDARITY COMMITTEE

Cambridge, MA

Co-President

October 2017 – Present

- Plan and organize around 3 speaker events/semester with hundreds of attendees; conduct presentations and teach-ins 3 times/semester; coordinate with up to 5 other campus groups; manage and delegate tasks; promote events

Skills and Interests

Languages: Fluent English, Native Arabic, Intermediate Italian.

Interests: Biking, instrumental music (e.g. Ludovico Einaudi), videogames (favorite: GTA V, Civilization V), travelling, guitar.