

# YasserEl-Sayed



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## EDUCATION

Carnegie Mellon University

May 2017

BS Computer Science, GPA: 3.05

Minor in Historical studies

Phi Alpha Theta Honors

## AWARDS

3 Years Carnegie Apps

2015, 2016, 2017

Winner | 260+ participants

Microsoft Imagine Cup

April 2016

Winner | 1000+ participants

SC Challenge 22

June 2015

Finalist | 1100~ participants

## TECH. SKILLS

### Programming

Javascript



Python



CSS



Java



C



SML



Swift



### Development Tools

AngularJS



Bootstrap



Django



MySQL



D3



Sketch



## EXPERIENCE

Meddy | Full-Stack Engineer

May 2016 - Present (9 months)

- Developed the infrastructure for the front-end using SCSS and jQuery at meddy.co: a web app that allows users to find and review local MD's.
- Lead the Arabic website development team increasing traffic by 80%.
- Rerouted to new user-friendly URLs and decreased page speed by 400% to increase SEO ranking by 60% and traffic by 40%.

CMU | Summer Research Assistant

Summer 2016 (3 months)

- Constructed various recursive and polymorphic data models in JavaScript to represent generic logical theorem proofs.
- Built front-end representation of natural deduction proofs using MathML, CSS and JavaScript.

Metis | Front-End Development Intern

Summer 2015 (3 months)

- Developed several major and minor front end components in AngularJS for Metis: a web app that assists students in their academic planning.
- Assisted Front End team in migration from jQuery to AngularJS.
- Developed a course module that models and provides course data.

## PROJECTS

HTTP 1.1 Webserver | Network Programming

Spring 2016

- Implemented an HTTP 1.1 compliant and secure web server in C, used to host dynamic and static web content.
- Used I/O Multiplexing to handle 100,000+ clients simultaneously.
- Implemented encryption in connections between the server and client using SSL; thus securing communication between the client and server.

Bit Torrent-like File Transfer | Network Programming

Spring 2016

- Implemented a reliable peer-to-peer file transfer system which takes chunks of files from each peer and aggregates them in one machine.
- Implemented a reliability and congestion control protocol (similar to TCP) on top of UDP for the application.
- Implemented optimization method for smart peer selection.

Kesa.io | Full-Stack Web Programming

Spring 2016

- Designed and developed main visual components using AngularJS for Kesa.io; a webapp that helps users write and analyse Dynamic Stories.
- Developed a visualisation system for dynamic storywriters in D3.
- Designed and developed a feature for users to read and collaborate with writers on stories being written real-time using WebRTC.