

Yasser El-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

Microsoft Imagine Cup

April 2016

1000+ participants, 11 winners

Ooredoo Carnegie Apps

Jan 2016

120+ developers, 16 winners

SC Challenge 22

June 2015

1065~ participants, 54 finalists

iHorizons Carnegie Apps

Jan 2014

80+ developers, 12 winners

Technical Skills

Programming

Javascript



Python



CSS



Java



C



Swift



Development Tools

AngularJS



Django



MySQL



Sketch



EXPERIENCE

Meddy | Full-Stack Developer

Summer 2016

- 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 doctors.
- Migrated MySQL database from Latin to Unicode CHARSET for Arabic.
- Applied Django model translation module to incorporate Arabic.
- Delivered presentations to review code progress and recommend solutions.

CMU | Summer Research Assistant

Summer 2016

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

Metis | Front-End Developer

Summer 2015

- 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 10,000+ clients simultaneously.
- Implemented encryption in connections between the server and client using SSL enabling secure 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 dynamic visualisation system for dynamic storywriters in D3.
- Designed and developed a feature for users to read stories with multiple storylines and collaborate with writers to write their stories in WebRTC.