CLAUDE ABOUNEGM
JUNIOR SOFTWARE ENGINEER

ABOUT

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○ CLAUDE-ABOUNEGM

in IN/CLAUDEABOUNEGM

DEVELOPMENT

MASTER
C# (8+ YEARS)
JAVA (4+ YEARS)
JAVASCRIPT (4+ YEARS)
C (3+ YEARS)

INTERMEDIATE
PHP
HTML
CSS/SASS
C++
ASP.NET
JQUERY
BOOTSTRAP
ANGULARJS

BEGINNER
WORDPRESS
LARAVEL
GULP
LLVM
TYPESCRIPT

TOOLS

VISUAL STUDIO
ECLIPSE
GIT
WEBSTORM
NODE.JS

DATABASES

MYSQL
MONGODB

LANGUAGES

ARABIC *(NATIVE)*
FRENCH *(NATIVE)*
ENGLISH *(FLUENT)*

EDUCATION

ELIZABETHTOWN COLLEGE
MAY 2017
BACHELOR OF SCIENCE
OVERALL GPA: 3.47
> **COMPUTER ENGINEERING** (MAJOR GPA: 3.74)
> **COMPUTER SCIENCE (HONORS IN THE DISCIPLINE)** (MAJOR GPA: 3.63)

THE AMERICAN UNIVERSITY IN CAIRO
JANUARY - MAY 2016
SEMESTER ABROAD

PROJECTS

SHADOW PROGRAMMING LANGUAGE
AUGUST 2016 - PRESENT
- Successfully implemented threads for Shadow, on the grammar and compiler level, and coded its functionality using Shadow, Java, C and LLVM. Threads use message passing to communicate.
- Designed and coded a micro-framework to support compiling and linking C code with Shadow. Expanded the Shadow standard library.
- Wrote Shadow tests for all new features added which run using JUnit.

IOT: ENERGY EFFICIENT SOLUTION
AUGUST 2016 - MAY 2017
- This is a four-person senior project. Smart Frame is a successor and extension to a project called Smart Mirror, which is a voice activated mirror with IoT features. Our project uses Node.js, and makes use of sensors to autonomously take actions. The collected data is also saved to MongoDB. Python is partially used to retrieve sensors data.
- I led the design and development of the project. We were able to control lights, blinds, and HVAC, by voice, through a web portal, and automatically.

SOPHOMORE PROJECT (HISTORICAL DOCUMENT DISPLAY CASE)
JANUARY - MAY 2015
- Team project to design and build a display case to conserve a historical document under special conditions.

PERSONAL PROJECT: ETOWN SCHEDULE GENERATOR
FEBRUARY - APRIL 2014
- Individually designed and developed a desktop application for personal use to generate possible schedules based on personal preferences. The application quickly spread between students without my intervention.
- Presented the working product to Information and Technology Services (ITS) and procured a summer job with ITS to create a web-based version of my schedule generator using ASP.NET.

MOBILE WELLNESS CENTER
JANUARY - MAY 2014
- Led a team to create an architectural design of a wellness center for truck drivers.

INTRODUCTION TO ENGINEERING PROJECT II (TREBUCHET)
JANUARY - MAY 2014
- Team project to design and build a trebuchet, using CAD and fabrication lab equipment.

EXPERIENCE

ELIZABETHTOWN COLLEGE
JANUARY - MAY 2017
TEACHING ASSISTANT
- My duty was to help students perform lab experiments in an Electronics course; I also graded the labs.

UNPLUGGED WEB, EGYPT
JULY - AUGUST 2016
BACKEND DEVELOPER INTERNSHIP
- Partially developed a version of the backend API of a travel agency website using Laravel and MySQL.

IBM, EGYPT
JULY - AUGUST 2015
APPLICATION DEVELOPER INTERNSHIP
- Attended a complete Java review. Worked on several programming tasks.

ORASCOM CONSTRUCTION INDUSTRIES, EGYPT
JUNE - JULY 2015
IT TRAINEE
- Database Administration with hands-on training using MSSQL.

ELIZABETHTOWN COLLEGE
MAY - AUGUST 2014
ASP.NET WEB DEVELOPER
- Developed a web variation of my Etown Schedule Generator using ASP.NET web forms, HTML, JavaScript, jQuery, Bootstrap and CSS. The web application was successfully delivered by the requested deadline and is live on the college's website at: http://jayweb.etown.edu/sched.

AWARDS

- Honors in the Discipline in Computer Science • Faculty Student Award 2017 • Emergent Scholar 2015
- Best Sophomore Project 2015 • Hager Scholar 2014 • Best Trebuchet Project 2014
- Dean's List: Spring & Fall: 2014 & 2015