

YA / YOUSSEF ABOUELGHAR

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SUMMARY

A Full-stack developer in 3D modeling and graphic design. Developed an AI to streamline the design process by over 90%. Experienced with a range of programming languages and tools. Managed full software development lifecycle. Leading a team of three people.

AWARDS

May 2021

Nilepreneurs

- Conix Incubation received 1st award for launching Conix AI platform. Jun 2016.

ECG University to work

- Our team earned 1st place in the competition.

SKILLS

3D Modeling:

- Rhinoceros 3D and Grasshopper.

Graphic Design:

- Photoshop, Illustrator, and InDesign.

Scripting/Dev:

- C#, Unity, Java, and Python.

Web Dev:

- Node.js, React, Angular, SQL (MySQL, MSSQL), Javascript, and typescript.
- PHP and Pure/Vanilla JS (JavaScript).
- Git, REST APIs, GitHub, AWS.

LANGUAGES

English



Native/Bilingual

Arabic



Native/Bilingual

French



Professional Level

Japanese



Intermediate

EXPERIENCE

Jul 2021 - Present

Senior Computational Designer/Full Stack Developer | Conix.ai

- switched to Angular/React and Node.js to improve scalability, increasing deployment efficiency by 50%.
- Managed DevOps through GoDaddy and then Cloudflare, reducing costs by 33%.
- Wrote database using MYSQL migrating from MSSQL.
- Secured \$1.2 million in funding and reduced design time by over 90% through AI development.
- Deployed our stack on AWS, serving over 1000 users.
- Currently managing a team of computational designers and developers.
- The full result is at www.conix.ai (you can operate the AI).

Jul 2017 - Jun 2021Jul 2017 - Jun 2021

Computational Designer/Full Stack Developer | Yusuf Fahmy Architects (YFA)

- Worked in a startup environment
- Developed custom tools in C# and .NET, combining architecture and coding for innovative solutions.
- Designed algorithms in Java and Processing to automate 3D modeling.
- Built physics engines from scratch using C# and Grasshopper.
- Created and maintained company website using JS and ASP.NET.
- Wrote database using MSSQL
- Incorporated PHP and React for our web design.
- Secured first enterprise client seed round to found startup Conix.AI
- Deployed on Digital Ocean cutting costs by 20%.

Jun 2015 - Sep 2015

Intern | ECG University to Work

- Introduced to coding in C# and VB as part of the design process.
- Graduated with an A+ rating (above 95%). Showcased research and sustainable design expertise.

EDUCATION

Sep 2012 - Jun 2017.

Bachelor's Degree in Architecture | MODERN ACADEMY

- Graduated with a B+ average (above 80%). Demonstrated creative computational design skills.
- Conducted innovative research and implemented new systems. Developed concepts using beginner C++.

