# Ahmed Marzouk

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## EDUCATION

- **Faculty of Engineering**     Zaporozhye National Technical University, Ukraine
  *Bachelor's Degree in Computer Engineering*     *Sep. 2015 – Jun. 2019*

## COURSEWORK

- **Undergraduate**: Algorithms, Data Structures, Database Design, Compilers, Artificial Intelligence, Software Engineering, OOP, Discrete Math, Computer Architecture, Probability & Statistics
- **Online courses:**: Front-End Web UI Frameworks and Tools, Responsive Web Design, Web Application Development with JavaScript and MongoDB, Bitrix framework approved developer.

## EXPERIENCE

- **123Workforce**     Dublin, Ireland
  *Remote Full stack PHP Developer*     *Feb 2018 - Present*
  - ○ **Workforce**: A platform made to help users with hiring Outbound Sales Teams & Customer Service Agents. Worked on building this platform from scratch, using Laravel framework and Vue.js, for API calls used axios, Implemented payments system using PayPal and Stripe APIs, chat using Laravel pusher. Integration with social media using different APIs (Facebook,Instagram, Linked in..). For notifications system : emails notifications using mailable, Telegram notifications using Telegram bot.

- **Artorg IT**     Zaporozhye, Ukraine
  *PHP Developer*     *May 2017 - Jan 2018*
  - ○ **Ankor**: Since 1995, Ankor has been selling polycarbonate and mounting translucent structures. Worked on resolving some bugs on the existing site, front end and back end, these are : correcting product color choice, prices animation, using OpenCart php framework.
  - ○ : online store of household chemicals and cosmetics lotos.zp.ua. Took part in adding functions to the site using Bitrix framework, these like top selling products logic and best manufacturers.
  - ○ **WeDO**: Development of online stores Integration with accounting systems. Worked on implementing the front-end (Using HTML, CSS, SCSS, Gulp building tool, bootstrap and JQuery)

- **Freelancing**     Zaporozhye, Ukraine
  *Remote Full-stack PHP Developer*     *Jan 2017 - Present*
  - ○ **UKH**: Deliveries of chemical materials and food additives. Built site from scratch, front end, back end and deployment, using Laravel Framework and Vue.js. For routing used Vue-router and axios for API calls.

## SELECTED ACADEMIC PROJECTS

- **MR-EBEC (Maze Robot)**: Implemented logic of the robot, which followed a black line goes in 3 different tracks, robot had to chose the shortest track after 3 labs to finish at the shortest time. Team won first place in EBEC Competetion Ukraine-2017 by this robot and qualified to finals in Czech republic. (Using C on Arduino )

## PROGRAMMING SKILLS

- **Languages**: PHP, HTML(Blade template language) ,CSS (LESS,SCSS), Javascript, C, C++.

- **Technologies**: Laravel, OpenCart, Vue, GCP (Google cloud platform), JQuery, Laravel mix, Gulp, Restful APIs, PayPal and Stripe.

- **Databases**: MySQL and Cloud Firestore (realtime database).

- **Technical Skills**: Data structures, Algorithms, OOP Programming, Design Patterns (MVC), Agile software development, Database Design, PWA ( Using Service workers , indexDB (LocalForage) ), Git(version control system).

- **Design Skills**: Photoshop.