

# Ahmad Atallah

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Maadi, Egypt

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## EXPERIENCE

### SWVL BUSINESS — Sr. Software Engineer I (Frontend)

Jul 2021 – Present | Cairo, Egypt

- Lead the frontend development of the company for its business scope.
- Maintain the web design system.
- Guide and onboard new comers.

### SWVL — Software Engineer II (Frontend)

Dec 2018 – Jun 2021 | Cairo, Egypt

- Worked on developing the company's administration dashboard and website.
- Initiated and released the company's business dashboards.
- Developed, and published a design system components packages on npm.

### QOBRA — Software Engineer (Frontend)

Dec 2019 - Aug 2020 | Remote

- Started the core product desktop app with electron.
- Streamlined project's boilerplate to speed up development, with support for multiple tabs, shared state, and others.

### MILLENSYS — Software Engineer (Visualization)

Feb - Dec 2018 | Remote

- Worked in the medical imaging team with OpenJPEG, LEADTOOLS, Windows API, OpenGL, canvas drawing, advanced image processing techniques, 2D and 3D visualization.
- Assigned to advanced DICOM viewer project (web based, and Desktop), reporting tool and others.

### PINE BIOTECH — Bioinformatics Intern

Oct 2017 – Jan 2018 | Remote

- Worked on both educational and analysis platforms for Next Generation Sequencing.

## EDUCATION

### CAIRO UNIVERSITY

Bachelor of System and Biomedical Engineering

Jul 2012 - 2017 | Cairo, Egypt

**Thesis** GPU-Based Visualization Application for 2-Projection 2D-3D Image Registration In Radiation Oncology

## PROJECTS

### TACHYONS STYLED TSX • TS, React, Emotion, Styled System, Tachyons,

Webpack

Jun 2020

Bring Tachyons implemented with Emotion and Styled System into React app with types in mind

### SWVL DESIGN SYSTEM • TS, React, Rollup, Theme-UI, Github Actions

2020 - 2021

React-TypeScript components for Swvl design system

### GPU-BASED VISUALIZATION APPLICATION FOR 2-PROJECTION

### 2D-3D REGISTRATION • C/C++, VTK, ITK, Qt, OpenMP, OpenCL

Jul 2017

Visualization cross platform for fast 2-projection 2D-3D registration that assists in patient positioning process during radiation oncology treatment procedures

## SKILLS

### PROGRAMMING

Over 5000 lines:

TypeScript • Javascript

Over 1000 lines:

PostgreSQL • NodeJS

Familiar:

Haskell, Pascal, C/C++, Scala

### WEB DEVELOPMENT

HTML • CSS • React • Angular •  
Redux • Jest • Webpack • Rollup •  
Gulp • Grunt • Tachyons • Tailwind  
• Styled Components • Emotion •  
Theme-UI • Material-UI • MDX •  
Storybook • Gatsby.

### VCS & BUILD TOOLS

Git • SVN • TravisCI • Jenkins •  
Docker • Github Actions

### CLOUD SERVICES

Familiar:

AWS • GCP

## AWARDS

**2016/Egypt** RDI Egypt

Competition — Project Award

**2014/Egypt** IEEE EMBS

International Student Conference  
— Project Award

## COURSEWORK

Functional Programming

Frontend Nanodegree — Udacity

Deep Learning Specialization

— Coursera

Software Engineering

## ACTIVITIES

### EMB 2nd Biomedical Engineering Workshop

Participated in the 4 themes of the workshop including: High Performance Computing, Medical Visualization., Software Engineering, and, Embedded Systems