AHMED
Web Developer

Software Engineer

ahmed.elzeiny@gmail.com
408-458-0241
/in/aelzeiny/
zeiny.io

EDUCATION

App Academy
12-Week Full-Time Web-Development Course

San Jose State Uni
B.S Civil Engineering
GPA: 3.47
Minor Computer Science
GPA: 3.60

SKILLS

FRONT-END
- React/Redux
- JavaScript
- CSS/SASS/LESS
- HTML 5
- jQuery/AJAX
- Bootstrap
- D3

BACK-END
- Ruby on Rails
- PostgreSQL
- ASP.NET CORE
- C#
- Java
- Ruby
- Git

SOFTWARE ENGINEERING PROJECTS

CLOUD CASTS
- Introduced photographic sampling algorithms to find contrasting colors within images to fabricate a dynamically changing color pallet
- Features an original, highly modular, mobile-responsive design that changes layout based on screen size

PRECOMPUTATIONAL NAV-MESHING
- Implemented an algorithm and interface that allows the user to add or subtract convex polygons into concave polygons
- The resulting maze is computed into a navigation mesh for efficient AI pathfinding

SUBDIVISION APPLICATION SYSTEM
- Self-taught in ASP.NET Core, Identity Framework, and Entity Code-First Framework in 5 days.
- Standardized an online application system designed for the City of San Francisco intended to overhaul all paper-based legacy procedures; resulting in the completion of 3 months of backlogged projects within a timespan of week and a half.
- Features a total of eight applications and 64 highly modular forms, all redesigned for a mobile-responsive and streamlined experience.
- All applications are in legal accordance with the SF Subdivision Code and Ordinance 35-17, and all electronic signatures abide by the UETA and ESIGN acts.

PROFESSIONAL EXPERIENCE

DEPARTMENT OF PUBLIC WORKS – SAN FRANCISCO, CA, JUNE 2016 – MARCH 2017
FULLSTACK ENGINEER & PLAN REVIEW
- Conceptualize, designed, and built user and staff friendly automation tools & websites
- Saved 160 weekly staff-hours by overhauling all procedures and systems to tailored digital alternatives
- Analyzed site plans and maps for safety and compliance with the various civil codes.

UMERANI ASSOCIATES DRAFTING DEPT. – PALO ALTO, CA, JUNE 2014 – SEPTEMBER 2014
FORMER STRUCTURAL ENGINEER-IN-TRAINING
- Modernized a library of macros for efficiency using AUTOLISP, shaving an average of 20 minutes each time a new .dwg file is created
- Demonstrated experitice as a highly efficient Excel user by writing VBA scripts that easily computed complex structural calculations