SOFTWARE ENGINEER (HE/HIM)   ROQUEALBERTOSOTO@GMAIL.COM
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Roque Soto

PROFILE

I'm a web developer and my passion is in developing software that is visually striking, a pleasure to use, and simple to maintain. My goal is to produce software across the full stack, so I focus mainly on web, mobile or app development projects.

SKILLS

- **Languages** - Java, Python, Javascript, C, SQL, HTML, SCSS, MATLAB, Coldfusion, OCaml.

- **Libraries** - React, Angular, Bootstrap, jQuery, Spring, Thymeleaf, Gradle, OpenCV, Gulp.

- **Software** - Git, Power BI, SQL Server, Adobe XD, Virtual Box.

- **Spoken Languages** - English (fluent), Spanish (fluent), French (Intermediate).

EDUCATION

University of Pennsylvania - M.S. Computer & Information Technology, May 2021 (Expected)

Cornell University - M.S. Geophysics, May 2020

Brown University - B.S. (Honors) Geology: Physics and Math, May 2016

EXPERIENCE

WEB DEVELOPER, ARCADIS; PITTSBURGH, PA – JUN 2019-PRESENT

- Integrated Angular into an existing Project Management Info. System (PMIS) by modernizing a landing page to improve client experience & data visualization ahead of a contract rebid.

- Built a form to upload Excel budgets to a SQL db with Bootstrap, JQuery & Coldfusion, saving dozens of yearly hours for the clients & team & improving product flexibility.

- Designed Power BI dashboards that automatically update using a SQL db, saving clients dozens of hours in quarterly figure production & identifying choke-points in their workflows.

PROJECTS

REACT PORTFOLIO WEBSITE (WWW.ROQUESOTO.DEV) | JAVASCRIPT – AUG 2020

- Prototyped the site in Adobe XD to obtain feedback from a group of 6 users. Implemented with React & JS to integrate the modern & minimalist design features of the app.

CLIMATE CHANGE VISUALIZER | JAVA – APR 2019

- Led a team & designed an educational web app to help visualize the impact of climate change & personally implemented it using Java Spring & Thymeleaf for the server & front-end.

PHOTO TO DOCUMENT CONVERTER | PYTHON 3 – OCT 2018

- Developed a python app to convert photos of receipts to top-down, full-page PDFs with the OpenCV computer vision library to help a family business document their invoices.

OCAMON!: POKE-BATTLE GAME | OCAML – APR 2018

- Designed requirements for the product, supported team members to meet deadlines & implemented AI for a strategy battle game in OCaml with a Gamma Pruning algorithm.

INTERESTS

- Cooking, Volleyball, Geology, Pixel Art, Tabletop Games, Piano

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