ZAL JOSHI

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zjoshi.github.io

EDUCATION

Cornell Tech, New York, NY   Aug 2021-May 2022
Master of Engineering in Computer Science | Merit Scholarship Recipient
Relevant Coursework: Human-Computer Interaction and Design, UX and Research, Psychological Aspects of Technology

University of Michigan, Ann Arbor, MI   Sept 2015 – Dec 2019
Bachelor of Science in Computer Science, Minor in Political Science| LSA Honors Program
Relevant Coursework: User Interface Development, Web Systems, Mobile App Development, Computer Security

TECHNICAL SKILLS

Coding Language:	HTML/CSS, JavaScript, React, Vue.js, .NET/C#, SQL, C++, Python
Design:	XD, Figma, InVision, Balsamiq, Photoshop, Illustrator, InDesign
Languages:	Hindi, Gujarati, Spanish
Interests:	Photography, digital art, music, drawing and painting, graphic design

EXPERIENCE

Epic Systems, Software Developer, Madison, WI   Mar 2020 – Mar 2021
- Launched a new Estimates module to allow patients to create personalized price estimates for medical procedures using Typescript, React, and C#/.NET
- Redesigned a new user interface for the Claims module to improve usability and accessibility
- Developed and maintained the Estimates React components library to facilitate the MVVM design pattern
- Streamlined outdated Claims adjudication workflows in Caché and C# to decrease adjudication time by 50%
- Conducted 20+ usability interviews, contextual inquiries, and A/B tests
- Collaborated closely with UX designers, UX researchers, and project managers

Kaiser Permanente, Web Developer Intern, Pleasanton, CA   Jun 2019- Jan 2020
- Independently developed the internal admin portal to create an interface for KP server data using ASP.NET and SQL
- Launched the admin portal into production for 10,000+ IT employees
- Designed a user interface prototype and user experience using InDesign
- Trained new full-time employees on the application structure, programming languages, and frameworks

PROJECTS

UnivieMed, Univie Health x Cornell Tech, New York, NY (Adobe XD, FHIR)
A web application to collect refugee health data for data visualization and predictive analysis to predict diseases
- Designed a web application prototype using Adobe XD focusing on health data visualization
- Conducted 25+ user experiments and contextual inquiries with refugees, UNHCR, and health practitioners abroad
- Collaborated closely with Univie Health to deliver a pilot application for integration within their EMR system to launch in refugee camps in Jordan

ProVision, University of Michigan College of Engineering (Python OpenCV, React, AWS, Google Cardboard)
A mobile application allowing users to virtually browse through grocery stores using computer vision and VR technology
- Led a team of six as the project manager developing and maintaining Agile framework for streamlined development
- Designed a mobile application prototype using Figma focusing on AR/VR user interactions
- Conducted extensive user research and 10+ usability interviews
- Showcased ProVision in the University of Michigan's annual Engineering Project and Design Fair symposium