MITALI PALEKAR

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EDUCATION

University of Washington *(Seattle, WA)*   Graduation Date: June 2019

B.S. Computer Science, Interdisciplinary Honors Program
CGPA: 3.84 (Annual/Quarterly Dean's List)

Relevant Coursework: Foundations of Computing (IP), Software Design and Implementation (IP), System and Software Tools (IP), Programming for Fun (IP), Accelerated Introductory Programming I/II, Web Development, Honors CSE Problem Solving, Matrix and Linear Algebra, Single/Multivariable Calculus

EXPERIENCE

NASA, Software Engineering Intern *(Mountain View, CA)*   June 2016 – Sept 2016

- Designed and developed a path-finding tool and in-procedure execution guide using the Microsoft HoloLens for safety procedures and experiment conduction on the International Space Station, possibly replacing the current manual procedure execution process *(Technologies: Unity, C#, HoloToolkit API, Node.js, Git)*
- Implemented spatial mapping using the HoloToolKit API, UI menu selection and placing / cycling of animated holograms using C# scripts and Node.js.

UW CSE Security and Privacy Lab, Research Assistant *(Seattle, WA)*   October 2016 - Present

- Developing and maintaining Confidante, an encrypted email client that makes sending PGP encrypted emails easy by using Keybase for automatic key management *(Technologies: JavaScript, React, Flux, Node.js)*
- Implementing new features such as making private key signing optional, fixing bugs and improving UI based on user feedback and will work to port Confidante to other platforms such as desktop and mobile

UW Georgian Digital Text Collective, Web Development Intern *(Seattle, WA)*   February 2016 – June 2016

- Designed and developed website to digitalize and present the Georgian language, increasing access to ancient Georgian literature texts; developed PHP scripts to convert Georgian to XML, JavaScript scripts to transpose XML to XHTML and proposed UI design changes to the front end *(Languages: HTML, CSS, JavaScript, PHP)*

TECHNICAL QUALIFICATIONS

Proficient: Java, XHTML, CSS, Bootstrap**,** JavaScript
Intermediate: PHP, SQL, React, Flux, C#, Unity, AJAX, JSON/XML, Git Version Control
Prior Experience: Android Development, UNIX/Linux environments, Node.js

PROJECTS

Chrome extension - XHTML-CSS Validator, *Individual Project*   2016

- Created chrome extension to determine the validity of XHTML and CSS according to the W3School standards for personal website development ease. (*Languages: HTML, CSS and JavaScript)*

Web App – InstaCap!, *DubHacks 2016*   2016

- Created a caption generating web app to generate suitable captions, quotes, emoticons and hashtags based on the image uploaded and mood desired using the Clarifai API, to make captioning social media images (Facebook, Instagram etc.) easier *(Technologies: HTML, CSS, Client-Side JavaScript, Node.JS, Clarifai API)*

ACTIVITES & LEADERSHIP

UW Society of Women Engineers, Vice-President of Community Outreach *(Seattle, WA)*   April 2016 - Present

- Leading a 457-member organization to organize workshops and events such as Engineering Discovery Days, Time to Invent and Girls Who Code as well as collaborating with local Seattle organizations such as ChickTech, DreamBig and Microsoft DigiGirlz to encourage and inspire young women to pursue STEM

Other activities: UW Girls Who Code (GWC), Women in Science and Engineering Advisory Board (WiSE), College of Engineering Student Advisory Council (COESAC), Emerging Leader in Engineering Participant (ELE), UW Honors Peer Educator (Teaching Assistant for Honors 100: Introduction to Honors), Association of Computing Machinery (ACM)

HONORS & AWARDS – Recipient of 7 Merit-based Scholarships

UW Honors Achievement Award, UW Purple & Gold Scholarship, Priscilla & Melvin Endowment, Microsoft Tuition & Diversity Scholarship, UW SWE National Conference Scholarship, UW SWE ABJ Regional Conference Scholarship