Patricio M. Beltrán Saldívar

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EDUCATION

ITESM Campus Monterrey	B.S. Computer Science and Technology	**GPA:** 93/100
UT Austin	M.S. Computer Science	**GPA:** 3.8/4.0

WORK EXPERIENCE

Software Engineer
Azure IoT - Microsoft
Feb, 2019 - Current

Core UX team for Azure IoT Central
- Work closely with design to implement a core component library to be used as a design system to make UX development more agile and consistent.
- Use React, CSS, Typescript, Node and GraphQL to provide a great user experience and allow customers to achieve their digital transformation with an IoT solution.

Software Engineer
Visual Studio - Microsoft
July, 2017 - Feb, 2019

NuGet package manager client team
- Improved package security by providing authors and repositories with the ability to sign and verify packages for integrity and identity.
- Improved NuGet's Visual Studio UI

Software Engineer Intern
Microsoft
May, 2016 - Aug, 2016

Mobile Cross Platform team for Visual Studio Environment.
- Designed, developed and tested features and bug fixes for the React Native and Cordova extensions for Visual Studio Code.
- Added ExpoJS integration to React Native VSCode Extension

Software Engineer Intern
Appian
May - Aug, 2015
May - July, 2014

In charge of iOS development on a team of 4 interns.
- Integrated help tooltip capabilities for all of the different SAIL components.
- Integrated a user-facing search into the existing product.

MAJOR PROJECTS

IoT Central white-labelling
Sept, 2019 - April 2020

Designed and implemented a CSS color framework that allows users to customize every single color on the platform to match their brand.
- Calculated relative luminosity of user colors to choose accessible (compliant with WCAG2.1) variations of them for the different component states, foreground and background.
- Implemented with CSS custom properties to offload any theme processing to the browser and only load appropriate stylesheets.

NuGet package signing
Sept, 2017 - Feb 2019

Added ability for package owners and repositories to sign their packages and verify their integrity and identity at install time.
- X509 certificates used to create CAdES-T signatures to verify integrity and identity of the author or repository (or both, using countersignatures) where the package is hosted.
- Currently nuget.org hosts more than 200,000 signed packages and every signed package is verified at install time (more than 54 billion according to nuget.org stats).

TECHNICAL SKILLS

Javascript	■■■■□	HTML/CSS	■■■■□	iOS	■■□□□	C++	■■■□□
Typescript	■■■■□	GraphQL	■■■□□	Git	■■■■□	C	■■□□□
React	■■■■□	Ruby (Rails)	■■■□□	Java	■■■□□		

AWARDS AND LEADERSHIP

	UI SME for Azure IoT Central Core UX
1st Place	HackMTY 2015, Product: *Roady*
3rd Place	BattleHack Mexico City. Product: *TanTan*
1st Place	Hackathon7. Monterrey, MX. Product: *marrybangkill.me*