

# Joseph J. Martella III

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## EDUCATION

**Purdue University, College of Science**, West Lafayette, IN

May 2013

B.S. in Computer Science with a concentration in Software Engineering, Classical Studies Minor

GPA: 3.77 / 4.00

## TECHNICAL SKILLS

- JavaScript (React, AngularJS, Node.js, jQuery) (proficient)
- HTML / CSS (proficient)
- C# (familiar)
- Windows App Development (familiar)
- C/C++ (familiar)
- SQL (familiar)
- Python (familiar)
- Markdown (proficient)

## WORK EXPERIENCE

*Software Engineer 2*

**Microsoft**, Redmond, WA

02/2016 – Present

- Front-end developer for OneDrive and OneDrive for Business, primarily using TypeScript, React, and KnockoutJS
- Own the sharing experience on the web client all up across both consumer and business products, as well as other Microsoft properties including the sync client, Office desktop applications, and more
- Accessibility driver aiming to make OneDrive a more accessible product for all

*Content Developer 2*

**Microsoft**, Redmond, WA

02/2015 – 02/2016

- Developed code samples and write technical documentation for the Office 365 APIs, Microsoft Graph API, and Office add-ins
- Collaborated with different stakeholders, including engineering team, management, and customers to improved Office 365 APIs and their documentation
- Developed rich demo applications to showcase Office 365 API features in real life scenarios
- Promoted after ~3 months in the discipline
- Regularly made contributions to Microsoft-owned open source projects, including generator-office and ADAL JS

*Quality Engineer*

**Microsoft**, Redmond, WA

08/2013 – 02/2015

- Maintained test automation for Radio Management feature during Windows 8.1 GDR
- Served as Performance SME for the Desktop team
- Developed test scenarios for the Mobile App Switcher feature for Windows Threshold
- Developed, monitored, and maintained telemetry code for the Mobile App Switcher feature for Windows Threshold and built reports to better display findings

*Software Development Engineer in Test Intern*

**Microsoft**, Redmond, WA

05/2012 – 08/2012

- Developed UI automation code to provide test coverage to several areas of my team's feature area
- Developed a database validation tool to aid Microsoft's mobile operator partners around the world
- Developed a Windows 8 mobile broadband modern application to help test certain features of the API, as well as provide recommendations for developer documentation to aid in the developer experience

### *Teaching Assistant*

**Purdue University**, West Lafayette, IN

08/2011 – 12/2011

- Taught basic programming concepts using Python and graded labs for a section of CS 177 (Programming with Multimedia Objects) for a group of non-CS majors

### *Software Development Engineer in Test Intern*

**Microsoft**, Redmond, WA

05/2011 – 08/2011

- Developed the first application for Windows 8 leveraging the JavaScript projection of the WinRT SMS API, a consumer based SMS communication client that uses the foursquare public API
- Attended weekly team meetings, met regularly with the Program Manager for my project, and delivered several presentations about my progress and application throughout the summer

## **NOTABLE PROJECTS**

### **shortfuts**

October 2017

<https://github.com/martellaj/shortfuts>

- A Chrome extension (my first) that adds keyboard support for FIFA 18's web app
- Simply uses JavaScript and Chrome APIs
- Published for free in the Chrome Web Store, and currently has about 400 active users a day

### **bustxt**

July 2016

<https://github.com/martellaj/bustxt>

- A service, written in Node, I wrote for my wife to notify via text if her bus is early, late, or on time so she can adjust her morning routine accordingly
- Incredibly targeted, but useful, and was a good application of the Twilio API (something I was interested in trying out)

### **race reportr**

December 2015

<https://martellaj.github.io/race-reportr/>

- An app to easily create race reports for reddit's running subreddits (embraced by the community and posted to /r/AdvancedRunning's sidebar and has generated hundreds of reports in the past year)
- The initial implementation was written with Node and EJS templates, but I rewrote it in React early 2017
- In its first year, it generated 1,500 race reports, and can usually be seen on the first page of [www.reddit.com/r/running](http://www.reddit.com/r/running)

### **commemoji**

December 2015

<https://github.com/martellaj/commemoji>

- A command line tool built in Node.js that emojifies commit messages
- Received decent feedback on the Internet (26 stars) so I've actively improved and added features
- As of November 2017, it's been downloaded 1,800 times

### **Art Curator**

Spring 2015

<https://github.com/OfficeDev?utf8=%E2%9C%93&query=artcurator>

- It is a project that I led to show an interesting scenario using the Office 365 APIs. At its core, Art Curator is an attachment-first view of your mailbox
- I designed the concept and led the v-team that built out these samples. It was written for the web (using Angular) and Windows Phone by me, and written for Android and iOS by two of my teammates
- It was my team's first "showcase" sample, where we showed not only the "how", but also the "why"