

David Tschida

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Education

Purdue University, West Lafayette; BS in Computer Science with Software Engineering focus

May 2017

Employment

Software Engineer Intern, Microsoft Outlook

Summer 2015, Summer 2016

- Increased user engagement with search suggestions by 12% by implementing people suggestions into Outlook Desktop.
- Improved error logging across search infrastructure to improve response time for support requests and enable robust testing.

Freelance Application Developer, IU Methodist Trauma Center

2016

- Building mobile app version of the hospital's trauma manual to allow doctors and residents to reference it on the fly.
- Standardized hospital's format for displaying treatment algorithms in app form.

Software Engineer Intern, Interactive Intelligence

Summer 2014

- Implemented an engine to allow the PureCloud API to self-describe and self-document using existing metadata allowing for faster revisions to the public API minimizing concerns of maintaining separate documentation.
- Contributed to the local community through the Xtern program and Techpoint.

Projects

ACM Special Interest Group in Applied Computing

Official Purdue App

- Commissioned to create the official Android app for Purdue University to represent Purdue in the App Store
- Engaged with user community to improve application in upcoming months

Purdue Laundry App

- Managed a team that created and released an app to help students access laundry resources on Purdue's campus.
- Allows checking machine states and setting timers on loads.

Other

Hubless IoT, IoT Platform (Senior Project)

- Used AWS IoT's MQTT layer to connect ESP8266 devices to the cloud.
- Structured an entire IoT platform allowing Chromecast-like setup of inexpensive devices.

SpotHole, automated pothole tracking

- Winner of the 2014 Indianapolis Civic Hack Day
- Uses Android accelerometer and location data to automate reporting of potholes to the city

Dig Indiana 2014, food festival application

- Android based menu/information passport for Indianapolis food festival attended by 2000+

Chromecast Gaming Framework

- Encapsulated Google Chromecast setup code
- Wrote easier messaging framework for apps

For a complete list of projects, please visit github.com/vidia

Leadership

President, ACM Special Interest Group in Applied Computer Science (SIGAPP)

2013-2015

- Collaborating with peers to provide an opportunity to develop real-world applications in an educational environment

Courses

Software Testing, Software Engineering, Senior Project

- Creating, testing, and deploying full scale applications using industry practices.

Experience

Java, C, C++, Python, Node.js, Flask, Android, AWS, Azure