

CHRIS HERCZEG

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EDUCATION

Purdue University, West Lafayette, IN

B.S. Computer Science: B.S. Applied Mathematics; Expected Graduation December 2020

Overall GPA (4.00 scale): 3.54

RELATED EXPERIENCE

Microsoft Redmond, Washington

Software Engineering Intern – HoloLens Silicon Architecture Firmware/Software (Summer 2019, 2020)

- Rearchitected low-level access modules for HoloLens 2 diagnostic tooling, removing deprecated dependencies and making the diagnostic tools maintainable, extensible, and configurable.
- Created firmware for HoloLens factory operating system and a managed API that talked to the firmware through TCP/IP over USB to allow for access to the system on chip (SoC) GPIO and I2C interfaces.
- Owner and creator of a web API and GUI application that runs on a Xilinx FPGA and allows for communication with custom RTL design used in Surface Mount Technology (SMT) test stations.
- Implemented Continuous Integration pipelines for automatic code deployments and versioning which saves the team hours per week in manual build processes.

Software Engineering Intern – Explorer – Market Knowledge and Growth (Summer 2018)

- Created the Credit Service 2.0 Portal, a full-stack web app for reviewing fraudulent transactions.
- Credit Service Portal creates new lines of business for Microsoft and generates millions in revenue.
- ASP.NET MVC 5 is used to control server-side functionality including HTTP lifecycle and RESTful API access, Angular 6 used for client-side DOM rendering, Azure Web Service used for deployment.
- Led the push to refactor 95% of the Angular 1.6.9 in the current Credit Service Portal to Angular 6.0.

Aptiv formerly Delphi West Lafayette, Indiana

Student Contractor in Software Verification Engineering (February 2018- May 2018)

- Worked with a team to create the final training module for C# windows form development of simulators for SAINT2 compatible radios inside Chrysler, Chevrolet, and Ford vehicles.
- As part of onboarding, created a 3D Brick Breaker game using the Unity framework inside of Visual Studios to ramp up knowledge of object-oriented programming in C#.

Google Seattle Headquarters

Google Computer Science Summer Institute (July 2016-August 2016)

- One of thirty students selected nationally to attend the program in Seattle, Washington.
- Created a web application at the end of the program that allowed tourist to generate a customized schedule of popular places to visit while on vacation using the Yelp API and Google App Engine.

QUALIFICATIONS

Computer and Technical:

- Industry experience using C#, C++, C, JavaScript, HTML, CSS, Azure CI, VSTS, and Git
- Project experience with Java, Python, JavaScript, GitHub, MATLAB, Google App Engine, and HTML
- Multiple laboratory experiences using C programming language, Raspberry Pi, and ARM Assembly

OTHER EXPERIENCE

Purdue Computer Science Teacher Assistant CS240, CS252 (January 2020 – Current)

- Taught C and systems programming to Purdue students while enrolled as a full-time student.

Naval Reserve Officer Training Corps Midshipmen 4th Class (August 2016 - May 2017)

- Combined with being a college student, the rigorous schedule of NROTC demanded time management, organization, leadership, and planning skills.

Volunteer Indiana University Health North Hospital, Carmel, IN (May 2015 – May 2017)

- Led the 5th-floor welcome desk, answered guest's questions, showed guests around a busy hospital, and made sure guests were comfortable during challenging times.