

# Hannah E. White

Computer Science & Engineering

## EDUCATION

Michigan State University

B.S. Computer Science & Engineering

www.hannahwhite.me

whitehan@msu.edu

East Lansing, MI, USA

Graduation: May 2016

## WORK EXPERIENCE

GE Grid Solutions

Redmond, WA, USA

Software Engineer - SDLP

July 2016 - Present

Rotational software development leadership position within the Energy Connections business of GE.

**Rotation 1: UX Technologist**

Rapid-prototyping of visual compositions – built with Predix, Polymer, jQuery, & React.js, & meant for use by 100+ internal developers in addition to several client companies. Establishing “best practice” reuse & scalability procedures for first-of-its-kind software at GE.

## MATRIX

East Lansing, MI, USA

Front-End Web Developer

Aug 2015 – May 2016

Translated visual compositions into interactive & responsive implementations.

Worked with UI/UX designers & back-end developers to bridge the gap between graphical design & technical implementation, whilst taking an active role on both sides.

**BNSF Railway, Co. Mobile App Development**

Fort Worth, TX, USA

Technology Services Intern

May 2015 – Nov 2015

Designed, developed, & tested iOS, Apple Watch, & Pebble Smartwatch apps in obj-C, C, & JavaScript (respectively) for use by approximately 12,000 railroad operations workers.

**MSU Computer Help & Repair**

East Lansing, MI, USA

Student Lead & IT Consultant

Aug 2012 – May 2015

Provided support to the MSU community with software applications, hardware repair, OS troubleshooting/reinstallation, malware diagnosis & removal, network navigation, clerical support, & other duties as assigned.

## HACKATHONS & PERSONAL PROJECTS

**HackIllinois: DevMe – 2016**

4<sup>th</sup> Place Overall,

Radix’s “Best Use of .tech Domain”

Web & Android matchmaking tool for developers & “content creators” – Built with Bootstrap, AngularJS, & PHP. Android app built with Java.

**HackIllinois: WatchMyCar – 2015**

Thiel Capital’s “Best Product/Business Potential”,

Pebble: Honorable Mention

Vehicle key fob & metrics app – Built with Raspberry Pi, Pebble, C, Python, Firebase, JSON, & iOS SDK.

**Metricly – 2015**

CTO & Co-Founder

Development & maintaining of low-level software to communicate with vehicles/transmit data from vehicle to database & mobile devices. Experience forming an LLC. Management & recruiting of developers.

**HackIllinois – 2014**

Student Attendee

Pebble smartwatch flashcards app – Designed UI & created test material. Built with C.

## LEADERSHIP & ACTIVITIES

Seattle Video Game Orchestra Clarinetist

2016 - Present

Grace Hopper Conference for Women in Computing Student Attendee

2015

MSU Biochemistry Undergraduate Committee Member

2013-2014

Discussed & determined program requirements, course curriculum & approval.

MSU Campus & MSU Concert Band Clarinetist

2013-2014

## RELEVANT COURSEWORK

CSE 232: Intro to Prog. II (C++) – 4.0

CSE 335: Software Design – 3.5

CSE 476: Mobile App. Dev. – 4.0

CSE 331: Algorithms & Data Structs – 3.5

CSE 450: Compilers – 4.0

CSE 477: Web App. Dev. – 4.0

## LANGUAGES & SKILLS (most familiar\*)

C++\*

C

obj-C

Python\*

JavaScript\*

PHP

Assembly (MIPS, ARC/SPARC microprocessors)

Java

HTML5

CSS3

## WORK & PORTFOLIO

LinkedIn

linkedin.com/in/hewwhite

GitHub

github.com/helizabethwhite

Portfolio

hannahwhite.me

DevPost

devpost.com/hewwhite