

# Christopher Lebioda

Software Developer



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## EDUCATION

Dual B.S. Computer Science and  
Economics

University of Michigan – Ann  
Arbor

2013 – 2018

## SKILLS

C#

Angular (TypeScript)

C/C++

SQL

HTML/CSS

.NET

AngularJS

Git

Agile

Elastic Search

Test Automation

Swift

TensorFlow

## EXPERIENCE

Software Developer

Tyler Technologies | May 2018 – Present

Worked on modernizing the Record Management System products (Law Enforcement, Corrections, and Fire) with a sustainable platform and optimized user workflow.

- Develop new features and integrate with other applications in our product suite including merging data from field reports back to the agencies' record management system
- Technical owner for new features and prepares technical designs for other devs to code
- Full stack development of web application using .NET, Angular, SQL Server, and more on micro-service based architecture on a scalable platform

Software Engineering Intern

Harman International | May 2017 – October 2017

- Used SELinux to sandbox Android Apps on head units and started to develop my own SELinux policy file using type enforcement and domain/object transition rules.
- Implemented Android Open Source Project Security Patches for the GM Info3 Project.
- Constructed an attack-defense tree using EVITA to threat model the Harman Secure Time Solution, which checks the trustworthiness of time on a system to prevent GPS spoofing.

University of Michigan Projects

- Designed an iOS voice-to-text for a previous student who had a cerebral hemorrhage (natural language processing)
- Used feature-based homography estimation and scale-space blob detection to stitch together panoramas.
- Trained and built a neural network based the VGG16 model that continually increased the convolutional layers to predict surface normal of images.

Research Assistant

University of Michigan – Economics Department | December 2015 – June 2016

Finance Intern

Mercy Corps/Causal Design | May 2015 – August 2015

Microbial Pathology Assistant, Reception & Child Life Services

University of Michigan Health System | June 2011 – January 2014

## EXTRA

University of Michigan Esports Club

2015 – 2018

University of Michigan Animation Club

2014 – 2018

University of Michigan Accounting Club

2015 – 2018