

**MATTHEW BERNARDO** – +1.651.431.1686 – matthew.r.bernardo@gmail.com

## **EDUCATION & SKILLS**

Graduated Fall 2016 with a B.S. Mechanical Engineering/Computer Science Minor. GPA 2.99. Technical electives focus on Control Theory, Fluid Power, and FEA. CSci minor focuses on Algorithms, Data Structures, and AI.

Proficient with .NET, Xamarin, MvvmCross, Android, Java, Angularjs, HTML, CSS, Salesforce, C++, SQL, Microsoft Visual Studio, GitLab, and Microsoft Office; Competent with Creo, Matlab, and Python, and Agile.

## **MOBILE DEVELOPMENT EXPERIENCE**

### Flight Tracking Android Wear and Android Instant App

Wrote Android apps for searching flights, viewing tracking information, and sharing flight information for a major airline.

### Bidding Strategy Game

Created a turn-based strategy game with Xamarin Android, Xamarin Forms, PCL's, MVVM Architecture, Event Handlers, Observable Collections, and Data Binding.

### Mobile Chat App

Created a mobile chat app in Xamarin using PCL's and a native Android layout implementing MvvmCross, Dependency Injection, Inversion of Control, and Cors Rest API consumption.

## **JOB EXPERIENCE**

### Software Engineer (Mindtree Ltd.)

(December 2016 - Present)

Completed the Orchard Training program in Mindtree Kalinga.

### Product Development Teacher's Assistant (U of M CBS)

(September 2016 – December 2016)

Developed Arduino-based lab equipment for students at a high school to college level.

### EV3 Lego Mindstorms Teacher (TechTacToe)

(June 2016 – August 2016)

Taught week-long robotics courses to children ages 6-11, and developed new teaching curriculum.

### IT Intern (American Society for Surgery of the Hand)

(July 2015 – August 2015)

Assisted the head of IT at the ASSH with data entry and verification to facilitate changing CRM platforms.

## **VOLUNTEER WORK**

### Camp Counselor

(June 15-22, 2013 – 2015)

Led and supervised Gr. 6-8 boys at Awana Honors Camp in Fredonia, Wisconsin.

### New Life Ministries

(2011 – 2016)

Worked in A/V, played music, and volunteered as a youth leader at New Life Church of Woodbury

## **AWARDS & ACHIEVEMENTS**

Received an award for exemplary team performance working on a mobile development PoC. (2017)

Top graduate out of a class of 400+ from a 3-month training program for software developers. (2017)

Designed and built a novel reinforcement learning AI from scratch. (2015)

Developed a game engine with a Turing-complete functional programming language based on C++. (2013-2014)

Dean's List at the University of Minnesota while in high school. (2011-2012)

Began taking full-time college load at age 16 through PSEO at the University of Minnesota.(Fall 2011)

Awards in national competitions in music. (April 2009 & April 2010)

## **REFERENCES**

Murray Jensen: University of Minnesota College of Biological Science

H. T. Morse-Alumni Distinguished Teaching Professor

msjensen@umn.edu

Jacob Adler: American Society for Surgery of the Hand

Director of IT

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