

Ever Barillas

Software Engineer

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Education

Pennsylvania State University

Bachelor of Science in Computer Science

Harrisburg, Pennsylvania

August 2016 – May 2019

- Relevant Coursework: Object-Oriented Programming, Data Structures, Design and Analysis of Algorithms, Introduction to Neural Networks, Compilers, Formal Languages, Operating Systems, Database Management and Design, Software Engineer Design Principles, Principles of Programming Languages.

Experience

TransCore

Software Engineer // C#, JavaScript, JQuery, HTML, CSS, .NET Framework, ASP.NET, Razor, Bootstrap

Harrisburg, Pennsylvania

July 2019 – July 2021

- Lead front-end engineer in charge of designing and developing the new user interface of Pennsylvania's Turnpike [web tolling services](#).
- Rebuilt tolling services' legacy infrastructure, including payment handling and user transaction searches.
- Developed internal data analysis web application to provide real-time insights into revenue generated and potential growth.
- Built a survey application that allows customer service representatives gather feedback from customers to generate service satisfaction reports.
- Designed email templates and developed a markup visualization tool to ensure design integrity across multiple email providers.
- Worked on multiple projects in an Agile environment utilizing a test-driven development approach.

Penn State Health Milton S. Hershey Medical Center – Dr. Adrian D. Zurca

IOS Developer – Capstone Project // Swift, Apple ResearchKit SDK, Apple CareKit SDK, XCode

Hershey, Pennsylvania

January 2019 – May 2019

- Developed native iOS application to train Pediatric Intensive Care Unit resident physicians at Penn State Health Children's Hospital.
- Involved in all phases of the project including design, development, testing, debugging, and deployment of the application.
- Collaborated directly with Hershey Medical Center representatives in defining application requirements.
- Created the application's UX wireframes and interaction design.
- Develop statistical analysis models based on data gathered to help supervising faculty improve resident physicians' learning experience.
- Worked on enabling accessibility across multiple iOS devices including different iPhone and iPad models

Undergraduate Independent Study – Dr. Linda Null

Android Developer // Java, SQLite, Google Maps API, Android Studio

Pennsylvania State University

January 2019 – May 2019

- Developed native Android application that maps service coverage of electric utility companies in Pennsylvania to determine powerline ownership.
- Implemented Material Design guidelines in the creation of the user interface.
- Integrated feature that allows users to plot polygon data on integrated Google Maps.
- Worked on map boundary visualization and detection based on polygon data collected and device's GPS coordinates.
- Performed tests on android emulator and physical devices, across multiple Android API levels, to ensure application compatibility.

Projects

Profit Lifter

Android Application // Kotlin, SQLite, Android Studio

- Developed native Android application that estimates profit from selling products on e-commerce websites.
- Integrated local SQLite database and designed schema to store user data.
- Created graphs based on collected data to provide users with useful insight into the viability of their business.
- Application available for download on [Google Play Store](#).

Skills

Programming Languages:

- Java (3 years)
- Kotlin (2 years)
- C# (2 years)
- JavaScript (2 years)
- Swift (1 year)

Frameworks:

- Android SDK
- iOS SDK
- ASP.NET
- React

Other:

- Android Studio
- XCode
- JetBrains Suite
- Git
- SQLite