**Our Team:**

**Kyle Peltier**

Ever since I fell in love with programming in 2009, I've been motivated to continually grow in the world of Computer Science. I love learning new things, especially if I can apply the knowledge in my life. I have experience tutoring C as well as Java at Grand Valley. I have the pleasure of working as a framework developer at School Zone Publishing (Grand Haven, MI), where I have been for a complete year now. On a day-to-day basis, I work mainly with C++ but frequently come across C, Java, and Unix scripting languages. My technical experience has grown tremendously through SZ and I love learning new things every day. I am looking forward to the Laker Legacy Android application as I continue to grow in the field. Through this application I am looking to grow in my knowledge of databases, improve my knowledge about Android products & design, and learn more about how code is written in industry.

**Technical Strengths:**

* Programming in C, C++, and Java
* Unix bash scripting
* Subversion programs (Git, SmartSVN, TortoiseSVN)
* Microsoft Visual Studio, Eclipse, XCode

**Matthew Williams**

After two years of studying Computer Engineering, I realized I liked the software aspect of computers more. Since then I have switched to Computer Science and have learned to be proficient in C, Java, and C++. I also have experience with Unix bash scripts, SQL, HTML, PHP, XML, JavaScript, and various web development skills. I have been working part time at Belcan Engineering (Kentwood, MI) for just about a year and have learned how to work in a professional environment. I have written visual basic scripts for Microsoft Excel and Microsoft Outlook. Also was involved with GE Aviation over the summer and helped to test software on a Bells AH-1Z Cobra helicopter. I hope to improve my experience with professional programming, Android development, database skills, and incorporating all of these things together.

**Technical Strengths:**

* Programming in C, C++, and Java
* Some experience in HTML & PHP
* MySQL and Oracle.
* Writing technical reports

**Samantha Williams**

At Grand Valley I have written code in C, C++ and Java. I have taken all the required courses in the Computer Science major and I have some Bash Scripting experience from taking the Systems Programming class. During the course of my internships, I have written scripts in VB Script and C#. In my most recent internship at Meijer, I got the opportunity to design and develop a database to centralize the configuration files for their Point-of-Sale machines. In my spare time, I take tutorials on web programming.

**Technical Strengths:**

* Programming in C, C#, C++, and Java
* Database

**Improvements:**

I don't have much experience with documentation or developing mobile applications, so I plan to improve my skills in both through this project.

**Android Laker Legacies**

**About**

The Laker Legacies application is meant to inform the community about GVSU monuments (buildings, statues, etc.) as well as major contributors to those monuments. The application does this by mapping major donors/contributors to their respective campus monuments. By doing this, GVSU students, alumni, faculty, and visitors will be able to learn more about the GVSU campuses and their history. The Laker Legacies application is also meant to encourage people to give back to the college by presenting a place where users can donate to the university.

This particular project is to make a recreation of the Laker Legacies iOS application, previously implemented by another senior project group. As a result, the GUI design of the application has already been completed; It is the job of the team to mimic the current application. Although an iOS version exists, the team has room to slightly modify the GUI design of the application to conform more to the Android operating system and conventions.

**Objectives**

TODO

**Features**

* Home Tab
* Cycling donor/contributor images
* Add an “About” section (about the app, not the donor)?
* Map Tab
* Pull up Google-Maps and highlight all GVSU buildings/monuments in database
* GPS location access
* Refresh button?
* Directory Tab
* List Monuments/Buildings with subtitled donor names
* Selecting item opens up further context about monument/building and its donors/contributors
* Add feature to sort directory by building name, contributors, city, state, or date of building establishment?
* Add trivia feature. Possibly cycle trivia blurbs with images on Home screen?
* Add scavenger hunt feature for each building/monument?
* Near Me Tab
* List monuments/buildings closest to user’s location
* Subtitled distance from user to building/monument
* Donate Tab
* Pull up GVSU webpage for making a donation (Use Android WebView class)