**Computer & Electrical Engineering**

**Zeng Xiong**

*Web Developer*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Web Applications*** | <http://zengxiong.azurewebsites.net/> | ***Mobile Phone*** | | (828) 461-0248 |
|  | <http://zxiong-bugtracker.azurewebsites.net/> | | ***Email*** | <zxiong1008@gmail.com> |
|  | <http://zxiong-budget.azurewebsites.net/> | | ***LinkedIn*** | <http://LinkedIn.com/in/zengxiong> |
|  |  | | ***GitHub*** | <http://GitHub.com/zxiong1008> |

|  |
| --- |
| **Education** |
| **University of North Carolina at Charlotte (Charlotte, NC)** |
| Graduated December 2015. ABET-accredited. Dual Bachelors of Science in Computer and Electrical Engineering at the William States Lee College of Engineering. |
|  |
| **Catawba Valley Community College (Hickory, NC)** |
| Graduated May 2010. Associates of Arts in General Arts |

|  |
| --- |
| **Academic Experience and Technical Skills** |
| * Programming Languages: **C#, HTML5, CSS, JavaScript, *jQuery*, SQL, LINQ, Java,** and **C++.** |
| * Frameworks: **MVC, .NET, ASP.NET, *Bootstrap***, and **WebAPI.** |
| * Over 4 years of hands-on experience in operating engineering laboratory instruments including **oscilloscope, function generator, power supply, soldering,** and **digital multi-meter.** |
| * Ability to solve and troubleshoot problems to provide solutions. Can also **write technical reports** for documentations. |
| * Proficient software: **Microsoft Visual Studio**, **SQL Server 2014 Management Studio**, **Microsoft PowerPoint, Microsoft Excel, Microsoft Visio, Microsoft Project, pSpice (OrCAD), MATLAB** and **ModelSim**. |
| * Leadership skills which can assist the team when fallen behind, utilizing maximum potential from the team. This will promote inspiration than absence. |
| * Ability to work collaboratively in a team setting such as all the engineering projects denoted below. |
| * Self-driven and motivated. Professional and effective written and verbal communication skills. |
| * Willingness and desire to rotate to, as well as an ability to excel in, a variety of roles (i.e. two exceptionally accredited and well-recognized engineering degrees). |

|  |
| --- |
| **Relevant Course Work and Projects** |
| Fall '15: *ENGR 3254*—**Second Place Winners at Senior Design EXPO**—**Senior Design II** (Design and test a sensor which will be put into a 3D printed housing on an EPRI cable spacer, used for distribution lines) |
|  |
| Spring ‘15: *ENGR 3210*—**Senior Design I** (Conceptual design of a device that is capable of implementing librarian tasks by a multi-discipline engineering team) |
|  |
| Fall ‘14: *ECGR 3157—* **Junior Design** (Built a Stereo System Design Circuit) |
| *ECGR 4101—* **Embedded System** (Coding for a Virtual Pet on RX63N) |
| *ECGR 3159–* **Professional Practice** (Established a fictional company for a safety product) |
|  |
| Spring ‘14: *ECGR 2252* — **Sophomore Design** (Produced a Touch Sensor Lamp for Paraplegics—Hands on) |
|  |
| Summer ‘13: *ECGR 3181—* **Logic II** (Coded for an elevator simulation) |
|  |
| Spring ‘12: ENGL 2116—**Technical Writing** (Established a fictional company to promote engineering summer camp for high school students) |
|  |
| Fall ‘12: *ECGR 1202 —* **Introduction to Electrical and Computer Engineering II** (Fabricated silicon wafers in the Clean Room. Build and coded a simple robot) |

|  |
| --- |
| **Work Experience** |
| **Coder Foundry (Charlotte, NC)** March 2016 - June 2016 |
| **Position:** ASP .NET Student Developer |
| 1. **Personal Blog (**[http://zengxiong.azurewebsites.net/](http://zengxiong.azurewebsites.net/%20)**)**: Create a web application using the MVC architecture, which includes a post, comments, media, about me, contact, portfolio (JS & c#), SendGrid, register, and logins page. |
| 1. **BugTracker Application (**<http://zxiong-bugtracker.azurewebsites.net/>**)**: Create a web application using the MVC architecture, which includes a projects, tickets, comments, attachments, media, notification, history, easy login, SendGrid, register, forgot my password, register, and login. |
| 1. **Budget Application (**<http://zxiong-budget.azurewebsites.net/>**)**: Create a web application using the MVC ASP .NET platform, and it is designed to create and manage budgets for household finances and the balancing of bank accounts. |
|  |
| **KEYper Systems (Harrisburg, NC)** February 2016 – March 2016 |
| **Position**: Software Tester – *Temporary* |
| 1. **MK III & MK V Diagnostics**: Test all behaviors and functionality of the MK III and MK V systems. If any failures occur, these issues were to be fixed or replaced before shipped out to loyal customers. |
| 1. **Commission Calculator**: Wrote VBA code for a commission datasheet using excel. The macro was written to clear table, to show two sample commission, and to calculates the total commission to be earned using a given data tables with the click of a button. |
|  |
| **KEYper Systems (Harrisburg, NC)** October 2015 – December 2015 |
| **Position**: Computer Engineer Intern – *Intern Project Lead* |
| 1. **FOB Life Cycle Project** – Description: Robotic mechanism which test the life span of a KEYper Systems product using an Arduino and Stepper Motor |
| 1. **MK V Diagnostics** – Description: Test and diagnose all the features of a KEYper Systems security product called the MK V to make sure it is valid/usable before shipping out to customers. |
| 1. **Quick Start Guide** – Description: A single page guide which helps new users understand how to use the MK unit and their software, such as adding/deleting applications and more. |
|  |
| **Summer Fresh Flowers (Newton, NC)** August 2005—Present |
| **Position:** IT & Quality Control — *Technical Control, Production, Cultivation, and Management* |
| 1. **Technical Control** – Install/check the router, Wi-Fi extender, local CCTV, and mobile CCTV accessibility. 2. **Production** – Set up a water irrigation system for acres of land. Also, build greenhouses to regulate and maintain seasonal flowers. |
| 1. **Cultivation** – Harvest and distribute a wide variety of floral arrangements, while executing quality customer satisfaction and advocate future business relations. |
| 1. **Management** – Handle eventful business days with utmost fashion, such as weddings, Valentine’s Day, Mother’s Day, and small party events, from 5AM till 6PM. |