

# Zeng Xiong

## UNC Charlotte Computer and Electrical Engineering Undergrad Seeking Full-Time Job Opportunity

### Contact Information:

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<http://zxiong-bugtracker.azurewebsites.net/>

### EDUCATION

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#### 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

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- 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.
- Technical communications skills such as constructing empirical research, writing effective memos, and making exceptional eye-catching web pages.
- Over 10 years of experience as a team player who can work efficiently with various teams in personal business, and 4 years in working with academia teams to accomplish common goals.
- Efficient coding languages: (1) C++, (2) Java, (3) HTML, (4) CSS, and (5) C#.
- 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 promotes inspiration than absence.
- Exposure to or familiarity with computer networking and telecommunications, systems and control engineering, power generation and electric transmission, system design and testing exposure, information, operating systems, software systems and application programming.
- Leadership potential or skills displayed through extracurricular activities such as tennis intramurals, and sports during high school.
- Community service experience of 50 hours at a local library.
- Previous IT/Engineering Internship or Co-op experience at KEYper Systems in October 2015.
- Ability to work collaboratively in a team setting such as all the engineering projects mentioned before.
- Self-driven and motivated.
- 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).
- Professional and effective written and verbal communication skills

### RELEVANT COURSE WORK AND PROJECTS

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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

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**Coder Foundry** (Charlotte, NC) March 2016 - July 2016

**Position:** ASP .NET Developer

- i. **Personal Blog:** 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.
- ii. **BugTracker Application:** 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.

**KEYper Systems** (Harrisburg, NC) February 2016 – March 2016

**Position:** Software Tester – *Temporary*

- i. **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.
- ii. **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*

- i. **FOB Life Cycle Project** – Description: Robotic mechanism which test the life span of a KEYper Systems product using an Arduino and Stepper Motor
- ii. **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.
- iii. **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—August 2015

**Position:** Operations Manager & Quality Control — *Production, Cultivation, and Management*

- i. **Production** – Set up a water irrigation system for acres of land. Also, build greenhouses to regulate and maintain seasonal flowers.
- ii. **Cultivation** – Harvest and distribute a wide variety of floral arrangements, while executing quality customer satisfaction and advocate future business relations.
- iii. **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.