

Xiaohang James Miao

8205 Wanstraw Way, Apex, NC 27539 | (919) 802-7428 | xmiao2@ncsu.edu

OBJECTIVE

Seeking an internship position in Computer Science beginning Fall 2016.

EDUCATION

North Carolina State University, Raleigh, NC *May 2017 (anticipated)*
- B.S. in Computer Science, senior standing GPA: **4.0/4.0**

TECHNICAL SKILLS

Programming Languages	Java, JavaScript, C, C++, C#, Python, Ruby
Software Engineering	Agile, Source Control, System Design, QA, Automated Testing
Web Development	HTML, CSS, LESS, AJAX, REST, Legacy Browser Support, Responsive Design
Web Frameworks	jQuery, jQuery UI, AngularJS, Dojo, Ruby on Rails, Django, Bootstrap
Backend Systems	Linux, Apache, Microsoft SQL Server, MySQL, SQLite, PostgreSQL
Spoken Languages	English (fluent), Mandarin Chinese (fluent)

WORK EXPERIENCE

Software Developer Intern, Amazon, Kindle Reader Engineering Team, Seattle, WA *May 2016 – August 2016*
- Utilized *Java* to develop features for Kindle Reader Elnk
- Researched and designed better methods to optimize computationally limited devices
- Participated in daily scrum meeting and documented knowledge in scrum task board

Front End Web Developer Intern, IBM, Verse / Connections Team, Durham, NC *May 2015 – August 2015*
- Utilized *JavaScript*, *REST* and *Dojo* toolkit to build enterprise single page web application
- Developed web components that supports *mobile*, *legacy browsers (IE8)* and *bi-directional* languages
- Implemented automated testing via *Shell scripts* and *Selenium*

Full Stack Web Developer Co-op, Kadro Solutions, Raleigh, NC *January 2015 – February 2016*
- Utilized *Java*, *JavaScript*, *HTML*, *CSS* and *SQL* to provide *e-commerce* solutions to customers
- Developed fast, *dynamic*, *responsive*, and *modern-styled* web applications
- Designed and implemented *RESTful web services*

Undergraduate Research Assistant, North Carolina State University, Raleigh, NC *September 2014 – December 2014*
- Utilized *Unity3D* and *C#* to develop a browser game that teaches students about array and loop algorithms
- Worked in an *Incremental Development Cycle* to get each feature/screen analyzed, designed, implemented and tested in order of priority on task list

PROJECTS

Kindle Word Wise Pinyin, Amazon, Seattle, WA *September 2015 – October 2015*
- Independently completed a feature on Kindle that enables pronunciation aid for difficult Chinese characters
- Designed better rendering algorithms and improved performance of the pervious system by 92%
- Designed better data structure to increase dictionary accuracy from 82% to 97%
- Shipped the feature in time, which is currently enabled on nearly half a million devices

REEDS Drag-and-Droppable Navigation Manager, Kadro Solutions, Raleigh, NC *September 2015 – October 2015*
- Acted as a Tech Lead in design and development of the project
- Developed a *Single Page Application* that helps clients edit site navigations without directly changing HTML
- Implemented application front-end with jQuery, jQuery UI and LESS
- Implemented application back-end with Java and utilized heavy *server-sided caching* for efficiency
- Deployed project in time, which is currently helping to serve hundreds of thousands of client's customers

HONORS & ACTIVITIES

- NCSU Class Rank #1 in Computer Science (2014, 2015)
- Microsoft College Coding Competition Participant (2014, 2015)
- NCSU Programming Contest Participant (2014, 2015)
- SPCA & Habitat for Humanity Volunteer (2014, 2015, 2016)