Yilun Song (Kenneth)

Software Engineering

TECHNICAL SKILLS

|  |  |
| --- | --- |
| **Programming Language (In Proficiency order)** | **Experienced Areas & Frameworks** |
| * C#, .NET * HTML5/CSS/JavaScript * Java * Python & Perl * MySQL, Mongo DB | * Web applications (**React**, **.NET**) * Cross-platform mobile Apps (**React Native**) * Scripts and Tests |

EDUCATION

|  |  |
| --- | --- |
| **University of British Columbia**  ***Bachelor of Applied Science – Software Engineering***  **Overall GPA: 3.95/4.33 (A)** | **September, 2011 – May, 2017** |

WORK EXPERIENCE

|  |  |
| --- | --- |
| **Trulioo**  ***Junior Full-Stack Software Engineer (C#, .NET, React)*** | **May, 2017 – Present** |

* Mainly working on back-end side features with **C#** in **.NET** framework
* Building a new project (Know Your Business) that will increase the company’s revenue significantly
* Built a language parser to process logs for studying customers’ behaviors (using **Antlr4** framework)
* Learning & participating in a lot of architectural designs from senior engineers
* Demonstrated the ability to learn new languages quickly and gained trust to build critical features

CO-OP WORK EXPERIENCE (20 Months)

|  |  |
| --- | --- |
| **Cumul8 Technologies Inc.**  ***Front End Developer (Data Visualization, ReactJS, React Native, Html, Css)*** | **May, 2015 – December, 2015** |

* Built complex **data visualization** related web components using **React** and **Flux**
* Added real time updating feature using **Websocket**
* Fixed bugs on the back-end side written in **Go** language
* Built front-end screens for a mobile app using **React Native**

|  |  |
| --- | --- |
| **Broadcom Corporation**  ***Test Script Developer & Engineering Testing Assurance* (Tcl, Perl,Git)** | **August, 2014 – April, 2015** |

* Developed **automated test scripts** for nightly regression tests to have the requirements of our products automatically tested
* Run and Reported nightly regression test results in a daily basis to report software bugs to the development team
* Developed scripting tools to automatically parse our test results with no manual efforts
* Learned new language **Tcl** and **Perl** to be able to write automated test scripts independently

|  |  |
| --- | --- |
| **UBC ECE – LLFI fault injection tool**  ***GUI Developer* (JAVA, Python)** | **May, 2014 – August, 2014** |

* Expended features on the GUI tool using **JavaFX** to make it simple and easy to use
* Developed and edited existing scripts of the LLFI tool to support more features
* Added informative instructions and notifications in the GUI to make the product user-friendly
* Developed scripts in Python to automate some duplicated work

SCHOOL PROJECTS

|  |  |
| --- | --- |
| **Reach Social Mobile App – School Project & Contract Project**  **Mobile App Developer (React Native, Android & iOS)** | **September, 2016 – May, 2017** |

* Built a **cross-platform** app from scratch for a start-up company using **React Native** that provides the ability for students to do different class activities
* Built a self-explanatory modular and scalable **architecture**
* Built the data flow system using **Reflux**
* Developed key features of the app, e.g. chat room, file sharing, etc.
* Mentored other team members to learn React Native and the related techniques used in this project
* Organized the team work and made sure that the features were delivered on time in each milestone

|  |  |
| --- | --- |
| **UBC LLFI Web Service – Personal Project**  **Full Stack Developer (React, JQuery, NodeJS)** | **September, 2016 – December, 2016** |

* Built a web application using **React** from scratch for a UBC research project named LLFI
* Designed the architecture of the application in a modular way and followed RESTful API standards
* Implementing the **back-end** server that executes scripts for front-end requests using **NodeJS**

AWARDS

|  |  |
| --- | --- |
| **Work Learn International Undergraduate Research Award** – awarded to 5 international students at UBC each year (same as NSERC). | **2014** |
| **UBC Engineering Dean’s Honor List** – for students with a GPA of at least A- each year | **2011 – 2017** |
|  |  |