

# CHARLES CYRIL SELASI NETTEY

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## EDUCATION

### MSc., Applied Informatics

Xi'an Jiaotong-Liverpool University  
Sep 2017 – Jan 2019  
Suzhou, China

### B. Eng., Computer Science

South China University of Technology  
Sep 2013 – Jul 2017  
Guangzhou, China

## TECHNOLOGIES & LANGUAGES

- **Front End** (HTML5, CSS3, SCSS, JavaScript, TypeScript, Angular, JQuery, AJAX, Webpack, NativeScript)
- **Server-Side/Core Programming** (PHP, Java, Laravel, Composer, REST API, PHP Unit, NodeJS, ExpressJS, Mocha)
- **Database** (SQL, Hibernate ORM, JDBC, NoSQL)
- **DevOps** (Linux Ubuntu, Vagrant, SSH, Apache Server, DNS, Docker, Git, SSL)
- **UI/UX Design** (Adobe XD, Photoshop, Illustrator, InVision, Balsamiq)
- **Others** (Python, LaTeX, MS Office with Project)

## SKILLS

- Relational Database Management
- Object-Oriented Programming
- Community Development
- Test Driven Development
- Software Engineering
- MVC Design Pattern
- Graphic Design
- Data Analysis
- Prototyping
- AGILE Workflow
- Project Management

## LANGUAGES

- English
- Chinese (Mandarin)
- Twi

## WORK EXPERIENCE

### Full Stack Software Engineer (Part Time)

Yu-Mi, Shanghai, China (<https://yu-mi.us>)  
Sep 2018 – Present

- Contribute to the development of Yu-Mi API, Frontend and WeChat Mini Program.
- Develop and maintain deployment pipelines using Docker & CI/CD tools.
- Run unit and integration tests for Yu-Mi API and backend services like Redis and MongoDB.
- Participate in daily stand ups and weekly sprints.

### Research Assistant

Xi'an Jiaotong-Liverpool University, Suzhou, China  
Oct 2017 – Present

- Built a machine learning model using SVM classification algorithm for indoor localization using Wi-Fi Fingerprints.
- Performed a series of virtual environment-based experiments to draw relationships between display type and spatial knowledge acquisition.
- Currently researching into the impact of 3D photo-realism and multiple angles of view on levels of presence and immersion in virtual environments.

### Web Development Consultant (Remote)

Envisio Live, Accra, Ghana  
Nov 2016 – Oct 2018

- Provide software development and architectural consultation to design and development teams for various clients.
- Setup and document multi-platform DevOps infrastructure.
- Direct the overall software development life-cycle on relevant web and mobile projects.

## OTHER RELEVANT EXPERIENCES

### Lead Organizer, Suzhou Designers & Developers

<https://www.meetup.com/Suzhou-Devs/>

Sep 2017 – Present

- Suzhou Devs is an open platform, tool and language independent designer and developer interest group for developers in and around Suzhou.

## AWARDS & ACHIEVEMENTS

- 2017 Dushu Lake Higher Education Scholarship (Suzhou)
- 2017 Excellent Graduate Award (Undergraduate Valedictorian)