Yang Lingqin

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EDUCATION

The University of Hong Kong	Hong Kong	09.2016-present

- Core Curriculums: Intro. to Database Management Systems; Computer Graphics; Modern Technologies on World Wide Web; Statistical Learning.

New York University	New York, USA	01.2019–06.2019

- Spring Visiting Program
- Courses: Parallel Computing: A; Agile Software Development and DevOps: A.

Stanford University	California, USA	06.2017–08.2017

- Summer International Honors Program
- Courses: Programming Methodology: A; Programming Abstraction: A-.

RESEARCH EXPERIENCES

Research on deep learning & semi-supervised learning	New York University	06.2019-present

Research Assistant, Supervised by Prof.Anasse Bari

- Explore the utilization of semi-supervised learning methods in deep learning problems.

SELECTED PROJECTS

Statistical Analysis based on The Health and Retirement Study (HRS)

- Predict the mental health of the retired workers over 65 in terms of their physical health, lifestyle, finance, family and education status based on the cleaned HRS data.
- Implement LASSO, GAM and Random Forests methods to build the predictive statistical model and use the validation set approach to evaluate the prediction outcome. MSE (Mean squared error) was adopted as the comparison criteria to decide the best model.

Agile Software Project – Teach Me Website   Course Grade: A

- Develop an online web application to connect users to teach each other all kinds of skills.
- Utilize the MERN stack (MongoDB, Express, Node.js, React.js, Bootstrap) for general implementation, Passport.js + Redux for user authentication, and Multer(+ Cloudinary for storage) for media uploads.
- Website display version link: https://teach-me-web-app.herokuapp.com/

GeoDiary iOS Application – Swift 4.2

- Build a real-time geolocation diary for users to keep track of their favorite places and plan trips among saved locations.
- Utilize Firebase for Google user authentication, real-time database storage and media uploads.
- Implement location storing, searching and directions using Places API & Directions API offered by Google Maps.

Parallel Computing Projects   Course Grade: A

- Utilize MPI to solve linear equations, OpenMP to find prime numbers and CUDA to find max value.

3D Modelling and Interface Design

- Implement part of 3D objects modeler with functions like mouse controlled model editing.
- Handle model transformation (rotation, translation and scaling).

SKILLS

Computing Skills

- C++, Swift, Objective-C, R, JavaScript, CUDA, Java, Python….

Languages

- Native in Chinese
- Proficient in English

EXTRACURRICULAR ACTIVITY

XGravity Outdoors Club, the University of Hong Kong	*Planning Secretary*	09.2017– 09.2018

- Plan and organize outdoors activities (windsurfing, scuba diving, skiing, hiking etc..) in Asia
- Team leader for abovementioned activities
- Promote outdoor experiences, challenges and joys