

Ziqi Li

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SKILLS

Personal Profile

Solid full-stack developer • Proficient problem solver • Experienced team-worker

iOS programming

Swift/Objective-C • Cocoa/Cocoa Touch

Web development

JavaScript/JQuery • HTML/CSS •

Ruby on Rails • Node.js • HTTP/REST

Backend

Python/Django • MySQL/MongoDB •

Heroku/AWS • Unix/Linux

Other Languages

C/C++ • Java • PHP • R

Misc. Skills

Google/Apple Maps APIs • Git • MFC framework • Architecture Design • UI/UX • Illustrator • LaTeX

EDUCATION

GEORGE WASHINGTON UNIVERSITY

MA IN GEOGRAPHY

Expected May 2016 | Washington, DC

Cum. GPA: 4.0/4.0

UNIVERSITY OF WATERLOO

BS IN GEOMATICS

COMPUTER SCIENCE MINOR

Jul 2012 - Jun 2014 | Waterloo, Canada

Dean's Honours List

Excellent academic standing

Diploma of Excellence in GIS

Cum. GPA: 3.9/4.0

CS GPA: 4.0/4.0

WUHAN UNIVERSITY

BENG IN REMOTE SENSING

Sep 2010 - Jun 2012 | Wuhan, China

LINKS

Personal Web: <http://www.ziqi-li.info>

Github: github.com/c040120

LinkedIn: [linkedin.com/in/liziqi1992](https://www.linkedin.com/in/liziqi1992)

COURSEWORK

Design and Analysis of Algorithms (ongoing)

Data Compression (ongoing)

Algorithms and Data Abstraction (A+)

Databases (A+)

Network and Distributed Systems (A+)

Applications Software Engineering (A)

GeoSpatial Programming (A)

EXPERIENCE

THE WORLD BANK | GEOSPATIAL DATA SCIENTIST

May 2015 – present | Washington, DC

- Providing technical support on project entitled Transportation Policies for Sustainable and Inclusive Growth.
- Automating geographic, agricultural and economic data processing and statistical analysis primarily using Python and R.
- Creating world markets accessibility map and preparing for publication.

GEORGE WASHINGTON UNIVERSITY | RESERACH ASSISTANT

Sep 2014 – present | Washington, DC

- Incorporating satellite images and field-measured climate variables to quantify permafrost degradation and climate change in the Arctic.
- Primarily using Python and R with open-source geographic packages to conduct spatiao-temporal analysis.

PERSONAL APPS

XVOICE | Co-FOUNDER & CORE DEVELOPER

Sep 2014 – Present | Washington, DC

- xVoice is a social voice-messaging app.
- <https://itunes.apple.com/us/app/xvoice/id982775409?mt=8>
- Worked on full-stack development using Django, MySQL and AFNetworking.

EARTHQUICK | FOUNDER & OWNER

Oct 2014 | Washington, DC

- EarthQuick is an IOS app showing worldwide earthquakes during the past 24 hours.
- <https://itunes.apple.com/us/app/earthquickid939773383>
- Worked on full-stack development using AFNetworking to retrieve live earthquake GeoJson feeds from USGS and display them on iPhone using Google Maps SDK for IOS.

WATERLOO CARPOOL | Co-FOUNDER & CORE DEVELOPER

Mar 2014 | Waterloo, Canada

- Waterloo Carpool is a carpool information sharing IOS app.
- <https://itunes.apple.com/us/app/waterloo-carpool/id843919283>
- Worked on full-stack development using Spring Roo and PostgreSQL on Heroku.

AWARDS

2014-2016 University Fellowship (full-tuition), GWU

2014-2016 Graduate Research Assistantship (on NSF funded project), GWU

2015 Campbell Summer Research Grant (\$1,000), GWU

2014 Chinese Universities Entrance Scholarship, UWaterloo

PUBLICATION

Li, Z., Zhang, Z., & Davey, K. (2015). Estimating Geographical PV Potential Using LiDAR Data for Buildings in Downtown San Francisco. *Transactions in GIS*. doi: 10.1111/tgis.12140