

# Fang Du

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**Objective:** A self-motivated and result-oriented Software Engineer professional seeking a full-time position in Development Engineer.

## Education

### Saint Mary's University of Minnesota

M.S. in Geographic Information Science (GPA: 4.0/4.0)

Jan. 2015 ~ Apr. 2017 (Expected)

Minneapolis, Minnesota

### Central South University

B.S. in Geographic Information System (GPA: 3.2/4.0)

Sep. 2008 ~ Jun. 2012

ChangSha, China

## Working Experience

### ENPLAN (<http://wv.mapport.com>)

Jan. 2016 - Aug. 2016

Software Development Engineer

Redding, CA

Wildfire Viewer provides a wildfire monitor service in C.A., adopting Python/GeoDjango, OpenLayers, Google Maps and GeoServer, PostgreSQL/PostGIS, Unicorn and Nginx. It has been used by different counties, such as Siskiyou County.

- Modified and integrated wildfire service into EPLAN own product - Mapport.
- Created a "Zoom to Perimeter" functionality to navigate to specific county area and display fires.
- Wrote script to display different styles and sizes of fire icons based on different time periods.
- Wrote Shell (Upstart) scripts in Ubuntu to automatically download fire data, converted and updated them into database.
- Configured Supervisor, Unicorn and Nginx for Django, Tomcat for Geoserver and deployed them into Rackspace.

### Guangzhou Canway IT Consulting & Training Co., Ltd.

Aug. 2012 - Jan. 2014

Software Development Engineer

Guangzhou, China

- UI interaction design and development, integration development of business system (HTML, CSS, and jQuery, and C# ASP .NET).
- Designed and developed reusable SharePoint components for our client Eternal Asia.
- Proposed to adopt SharePoint components-based method for customizing other clients systems.

## Projects

### GivCuz (<http://www.givcuz.com>)

Jan. 2016 - Jul. 2016

GivCuz is a way to support or donate the causes you care about from daily activities. As a co-founder and developer, Heroku, Python, Django, Bootstrap, jQuery and YouTube Video were utilized.

- Performed comprehensive analysis and developed iterative development plan.
- Created specific functionalities according to development plan.
- Tested them in different scenarios and deployed them into Heroku.

### Ship Monitoring System of Xiang River in China

Jun. 2011 - Dec. 2011

Ship Monitoring System of Xiang River in China was a project launched by Changsha Water Bureau to monitor and manage ships by web-GIS technology, in which the ships data were visualized in real-time in browser. Java as the primary programming language, ArcGIS JavaScript API based on Dojo toolkit as the frontend, PostgreSQL/PostGIS as database, Tomcat as webserver.

- Visualized ships data in nearly real-time.
- Implemented spatial analysis modules, such as security areas analysis, routing analysis.
- Designed UI using JavaScript, CSS, HTML.

## Skills

- Languages: Python, Java, JavaScript, HTML, SQL, C/C++, C#,
- Technologies: PostgreSQL, SQL Server, Oracle, Django, Flask, Bootstrap, jQuery, Linux