

Jerome Yang

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Summary

- 5.5-year industrial experience of developing user-facing software in agile environments.
- Programming in JavaScript (Angular, d3, jQuery; ES6), Java (spring framework, hibernate) and Python.
- Knowledge and interest in data structure, algorithms, UI/UX design, visualization, maps and linguistics.
- An experienced, energetic and passionate product owner, team player and technical writer/presenter.

Experience

Senior UI Engineer, Pointillist Inc.

2014 - present

- Developed and maintained the UI/UX of Pointillist, a customer-journey analytics platform, as the primary developer and owner.
- Developed and maintained a Java-based REST interface to support UI/UX.
- Defined product requirements, researched technical solutions, and designed architecture to achieve business goals. Facilitated meetings as a scrum master in Agile development cycles.

Product Engineer, Esri Inc.

2012 - 2014

- Inventor of Esri's SmartMaps (US Patent 20160246468A1), an intelligent web visualization toolkit.
- Built prototypes and code samples for ArcGIS JavaScript API and ArcGIS mapping platform.
- Developed and maintained Python applications to localize products and generate API documentation.
- Presented JavaScript API features to 200-300 developers/users at Esri Developer Summit and User Conference. Wrote user-facing JavaScript API documentation. Published posts on Esri's official blog.

Research Assistant, Harvard University Center for Geographic Analysis

2011 - 2012

- Developed Python applications to automate a data extraction, processing and visualization workflow.
- Extracted, transformed and visualized demographic, social and anthropological data on a collaborative online mapping platform.

Web Developer and Data Analyst, Department of Marine Resources, Maine

2011

- Developed an interactive web map application for a state government agency using JavaScript.

Education

Online coursework in:	Algorithms, Princeton University	2018
	Introduction to Linguistics, Leiden University	2017
	Big Data Analytics, Harvard Extension School	2016

M.S. in Geographic Information Science, Clark University, Worcester, MA **2012**
GPA: 4.03/4.00

B.S. in Geography (minor in sociology), National Taiwan University, Taiwan **2009**
GPA: 3.96/4.00 (ranked 1/36)

Patents

Harrower, M., Bartley, J., Minami, M., Ponnusamy, P. and **Yang, J. C.-R.** 2014. **Systems and Methods for Smart Cartography**. [U.S. Patent Application 20160246468A1](#), filed on February 24, 2015 and issued on August 25, 2016.