

# HANLUN “Noah” SONG

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## EDUCATION

- University of Maryland, College Park, MD, USA 2012 - 2016
- Master of Information Management, Human Computer Interaction specialization
  - Master of Finance
- Zhengzhou University, Zhengzhou, Henan, China 2008 - 2012
- Bachelor of Economics
  - Bachelor of Business Administration, awarded by Fort Hays State University, KS, US

## WORK EXPERIENCE

- American Institutes for Research, D.C., USA Feb. 2017 - Current
- Software Engineering and Data Visualization Specialist, Applied Software Engineering Group, Tech Solutions*
- Developed data visualization, dashboard, and GIS application for various public and private sector clients, using tools including D3, Leaflet, Python, Vue, React, Tableau, and ArcGIS.
  - Full stack web development with JavaScript, .Net, and PHP.
  - Git, DevOps, \*nix system administration, knowledge of SQL/NoSQL, and network protocols.
  - Effective communication, good documentation, and comprehensible/reusable/scalable code.
- Center for Open Data Enterprise, D.C., USA Jul. 2016 - Jan. 2017
- Technology Fellow*
- Designed and implemented visualizations and website for the Open Data Impact Map, and Center for Open Data Enterprise’s website, using D3, React, Leaflet, Webflow, and Balsamiq.
  - Developed web applications with PHP, MySQL, Git, Linux, and AWS.
- Elliott Management Corporation, NYC, NY, USA Jun. - Aug. 2015
- Research Intern, Research Department*
- Assisted the development of internal SharePoint database to store reference documents for public record resources.
  - Researched, collected, and imported public records to the system, for US, UK, Denmark, Bahamas, etc.
  - Cleaned and re-organized market account and invoice data, working with the company’s subscribed ledger service.
- University of Maryland Institute for Advanced Computer Studies, College Park, MD, USA Mar. - Apr. 2015
- Research Assistant*
- Assisted the development of a test data collection for information retrieval system.
  - Analyzed the relevancy of documents from the data pool to given queries.

## SIDE GIGS

- Basil Labs, D.C., USA Aug. 2019 - Jan. 2021
- Data Viz and Web Developer*
- Provided consultation regarding the development of web applications and visualizations.
  - Developed and shipped several data viz and dashboard projects.
- City78, D.C., USA May 2018 - Jul. 2019
- Data Viz and Web Developer*
- Assisted the conceptualization and implementation of data driven products such as D.C. waterfront urban planning tool.
  - Developed and delivered data visualizations for clients such as the Atlantic and CityLab.
- Seafood Talk: A Dialogue Forum on US-China Trade, D.C., USA Dec. 2012
- Event Planning Assistant*
- Assisted with planning event schedule and organizing activities.
  - Coordinated communications among sponsors, planner, and participants.

## SKILLS

- **Tech Stack**
  - **Frontend:** Vue, React, JavaScript, TypeScript, D3.js, Three.js
  - **Backend:** Node, LAMP, ASP.NET, SQL Server, MongoDB, Serverless, Docker
  - **CMS:** Drupal, DotNetNuke
  - **Mobile:** Flutter, PWA
  - **Other:** Python, C, ArcGIS, Tableau, NodeXL, Gephi
- **Design**
  - Figma, Affinity Designer, Blender
- **Language**
  - Fluent in English and Chinese
  - Basic Japanese