HANLUN "Noah" SONG

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EDUCATION

University of Maryland, College Park, MD, USA   2012 - 2016
- **Master of Information Management,** specialized in Technology Development
- **Master of Finance**

Zhengzhou University, Zhengzhou, Henan, China   2008 - 2012
- **Bachelor of Economics**
- **Bachelor of Business Administration,** joint program with Fort Hays State University, KS, US

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, Drupal, and ASP.NET.
- Git, DevOps practices, working knowledge of SQL/NoSQL, and network protocols.
- Effective communication, good documentation habit, and clean code.

Basil Labs, D.C., USA   Aug. 2019 - Jan. 2021
Information Technology / Software Development Consultant
- Provided consultation regarding the development of web applications and visualizations.
- Assisted with the delivery of data driven tools.

City78, **D.C., USA**   May 2018 - Aug. 2019
Data Visualization 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.

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.

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.

TECHNOLOGY

- **Programming Languages:**
  - **Proficient:** JavaScript/TypeScript, PHP
  - **Familiar:** SQL, Python, C#, R, Dart, Swift, C, Rust, Go
- **Frameworks and Libraries:**
  - **Proficient:**
    - **Frontend:** React, Vue, D3.js, Three.js, Leaflet
    - **Backend:** Node, Symfony
    - **CMS:** Drupal
  - **Familiar:** ASP.NET, DotNetNuke, React Native, Flutter, Angular, Flask
- **Others:** Docker, PWA, AWS, Serverless, MongoDB, Tableau, Unity