

## WORK EXPERIENCE

### University of Hawaii Economic Research Organization (UHERO)

Apr. 2016 – Present

*Director of Analytics*

*Honolulu, HI*

- Lead a talented, cross-functional team of data scientists, software engineers, and research assistants building dashboards and visualizations that support decision-making.
  - Brought public-facing data portal from idea to production: [data.uhero.hawaii.edu](https://data.uhero.hawaii.edu)
  - Active development and leadership of open source projects:
    - UHERO REST API in GoLang ([github.com/UHERO/rest-api](https://github.com/UHERO/rest-api))
    - UHERO Data Manager in Ruby-on-Rails ([github.com/UHERO/udaman](https://github.com/UHERO/udaman))
    - UHERO Data Portal in Angular ([github.com/UHERO/data-portal](https://github.com/UHERO/data-portal))
  - Configured production and database servers
  - Technologies actively used: Ruby on Rails, GoLang, JavaScript, TypeScript, NodeJS, Angular, React, jQuery, D3.js, Redis, Webpack, Gulp, Babel, CSS, SASS, MySQL, MongoDB, NGINX, Monit, RHEL 6, Windows 10, macOS, JetBrains IDEs, Atom, VIM, R, MS Excel, QGIS, Highcharts, Tableau, JIRA, Asana
- Teach course on data analysis and visualization in R:
  - Developed extensive course materials: [jonpage.github.io/r-course](https://jonpage.github.io/r-course)
- Write successful grant proposals and reports leading to funded contracts that support my team.

### CDK Global

Mar. 2015 – Mar. 2016

*Software Engineer*

*Portland, OR*

- Active development and support of microservices using Java Spring and RabbitMQ, front-end in AngularJS, and legacy platform in PHP.
- Designed and managed the development of an anomaly detection dashboard for network events and application performance using the Numenta Platform for Intelligent Computing (NuPIC), GoLang, and AngularJS
- Technologies actively used: PHP, Java Spring, RabbitMQ, GoLang, AngularJS, SASS, Grunt, Babel, Selenium, JetBrains IDEs, VIM, Bamboo, JIRA

### University of Hawaii Economic Research Organization

Jan. 2014 – Feb. 2015

*Full-Stack Web Developer*

*Honolulu, HI*

- Active development and support of Ruby on Rails data manager ([github.com/UHERO/udaman](https://github.com/UHERO/udaman))
- Developed data visualizations and analysis: D3.js
- Technologies actively used: Ruby on Rails, PHP, MySQL, D3.js, R, Phusion Passenger, OS X

### University of Hawaii at Manoa

Jan. 2012 – Dec. 2013

*Research Assistant*

*Honolulu, HI*

- Implemented variation of synthetic control algorithm in Stata
- Developed visualizations of macroeconomic data for publication
- Collected and managed large dataset of historical macroeconomic data
- Technologies actively used: PHP, MySQL, MS Excel, Stata

## Selected Consulting Engagements

Data Science Consultant – Busara Center for Behavioral Economics – Nairobi, Kenya (2014 – present)

- Developed lecture series: [github.com/jonpage/data-science-boot-camp](https://github.com/jonpage/data-science-boot-camp); Led team of software engineers and data scientists developing a decision support tool
- Technologies actively used: Python, scikit-learn, Django, R

Software Consultant – Duke University – Durham, NC (2013)

- Developed and supported SMS-based behavioral economics experiment deployed in Kenya
- Technologies actively used: PHP, MySQL, Telerivet API

## EDUCATION

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### University of Hawaii

*PhD, Economics*

**May, 2016**

*Honolulu, HI*

### University of North Carolina at Charlotte

*BA, Mathematics*

**May, 2010**

*MSc, Economics*

**May, 2008**

*BSc, Economics*

**Aug., 2007**

## SKILLS & INTERESTS

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- **Skills:** Statistical applications: R, Stata, SAS, QGIS; Visualization tools: D3.js, Highcharts, Tableau; Programming: Java, Python, PHP, Ruby on Rails, Go, Node.js, JavaScript/TypeScript, Angular/AngularJS, React, Java Spring; Databases: MySQL, PostgreSQL, MongoDB, Redis, Elasticsearch; Management: JIRA, Asana
- **Interests:** rock climbing, bouldering, noodling on electronic synths, waiting for the OP-Z