

# KENNETH TRANSIER

## Web Developer & Project Manager

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### EXPERIENCE

#### Resolve

*Project Manager & Web Developer, June 2010 – Present*

- Contributed to the conceptual development, launch and management of the LRA Crisis Tracker, a real-time crisis mapping application aggregating data of attacks by the Lord's Resistance Army on civilians from 80 early-warning HF radios in DR Congo and CAR
- Led a 3-person team in developing the database schema, codebook, and data quality control of the seed attack dataset
- Engineered the LRA Crisis Tracker REST API, enabling advanced data querying and analysis on civilian impact (*Ruby on Rails, JavaScript, Postgres*)
- Implemented the design, cartography and data visualization for the LRA Crisis Tracker Security Briefs, publishing 10 quarterly reports analyzing data received on the Early Warning network and distributing to policymakers, relief workers, conflict researchers and military analysts (*Jekyll, Highcharts, QuantumGIS, Tilemill*)
- Designed and developed cartography for Resolve policy and analysis reports, including *Hidden in Plain Sight* and *Tracking Joseph Kony*, groundbreaking reports utilizing satellite imagery and geospatial analysis to track LRA commanders' locations
- Represented the LRA Crisis Tracker at the International Crisis Mapping Conference in Geneva and Casualty Recorders Conference in Bogotá

#### Donately

*Web Application Developer, January 2013 – January 2014*

- Principal web application developer of Donately's front-end client (*Angular*) and REST API (*Rails, Postgres*), leading Donately out of beta and processing over \$1M in non-profit donations in the first year
- Constructed donor insights dashboard and analytics to enable advanced giving analysis by non-profit administrators (*Rails, Redis and d3.js*)
- Rebuilt Donately's user authentication system and unified email notifications systems
- Built Donately's internal revenue / user engagement dashboard and analytics to give Donately team better analysis of sales metrics and user engagement (*Rails, Highcharts*)
- Implemented a redesigned UI across Donately's front-end client
- Contributed to Donately customer relations/support

#### Resolve

*Legislative Fellow, January 2010 – May 2010*

- Co-led the Holdout, a continuous 10-day advocacy campaign seeking the release of a U.S. Senator's block of the LRA Disarmament and Northern Uganda Recovery Act. The Holdout broke the last barrier of passage for the most cosponsored piece of Africa-related legislation in the last 40 years of Congressional history, leading to a public signing

ceremony by President Obama and the first public statement on the LRA by a U.S. President in the 25 year history of the conflict

- Advanced the development of the Holdout's campaign strategy, executed campaign tactics, delivered press conferences to news media during the Holdout, and coordinated all campaigners
- Led over 20 one-on-one meetings with House of Representatives Foreign Affairs staff seeking passage of the legislation

### **Donate for iOS (Ongoing project)**

*Founder, November 2014 – Present*

- Built Donate, an iOS application integrating Stripe and ApplePay to create the fastest and most secure way to donate to a non-profit on a mobile device (*Objective-C*)
- Created the Donate REST API to handle donation charges, create new organizations, and send donation receipts (*Ruby on Rails*)
- Managing release in iOS App Store, all press outreach, and app support

## **EDUCATION**

### **University of Washington**

*Bachelor of Arts, Political Science, focus in International Security, Class of 2015 (expected)*

- *Activities:* ASUW Senator, student advocate in Olympia for Washington State higher-education funding
- *Critical Coursework:* Computer Programming 142, Principles of GIS Mapping, International Human Rights, American Foreign Policy, Government and Politics of China, Government and Politics in the Middle East and North Africa, Military Intervention, International Nuclear Non-Proliferation, 1st-Year Mandarin Chinese

## **TECHNICAL PROFILE**

- 3 years of experience in object-oriented programming in Ruby
- Strong background in REST API engineering and developing for API clients in Rails and Angular
- Implemented complex client-side JavaScript utilizing jQuery and Angular
- Deep knowledge of Stripe (transactions), Leaflet (mapping) and Highcharts (graphing) APIs
- Proficient knowledge of PostgreSQL, with exposure to Redis and MongoDB
- Experienced in Geographic Information Systems, primarily within QuantumGIS and Tilemill, with training in ArcGIS
- Initial development of iOS programming skills, both within Swift and Objective-C

## **INTERESTS**

Bouldering, Coffee Roasting, Fiction Writing, Triathlons, Scuba Diving, Backpacking, Carpentry