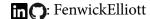
# **CHARLES FENWICK ELLIOTT**

charles@fenwickelliott.io

+1 (917) 365-9424



## **Software Engineering and Development**

A scientific background and temperament has fostered my need to understand everything from the ground up consequently, I am always looking for ways to optimize and strip extrania.

## **Recent Projects**

#### **BonBon**

Working with the incomparable Paul Etienne Lincoln on an instillation which takes a subject's biometric signature and compressed Parisian air to prepare a chocolate uniquely encoded to them:

- Single-handedly designed and implemented the mechanics
- Arduino circuit boards, pin by pin soldering
- Required constructing synchronous functionality from a single perpetual asynchronous loop

# **Open Source**

Official Golang contributions:

- Currently #15 contributor on Golang's OAuth2 package
- A use case PR on Google's go-github repo transforming it into a CLI

#### **ElectroBullet**

Desktop client written for the PushBullet SMS service:

- Electron: HTML5, CSS3, JavaScript, Node.js
- Cross platform: distribution, notifications and application storage

# **Snatch (A/B learning experiment)**

Constructed the same app in numerous environments. Snatch consumes the Spotify API to add the currently playing track to a designated playlist. Each included:

- Cross platform utilization
- User management, data persistence, OAuth2 authentication
- · Handle errors and documentation gracefully

Implementations were:

• Ruby script, Rails web app (Heroku), Rack web app (Apache server on Raspberry Pi), Golang script, Android app

#### **DevOps**

Hosted my personal site in various environments: Raspberry Pi:

- Apache server, local router, required writing a utility script to periodically ping my (non-static) local IP address to notify myself when it changed.
  Amazon Web Services:
- S3, Route 53, CloudFront, IAM, WorkMail Google Cloud Platform:
- Firebase, Cloud SDK, Analytics, G Suite user management

## **Kaggle Titanic**

Machine learning challenge to predict passenger survival based on redacted data:

- 80.861% Accuracy (6th percentile)
- R, Feature Engineering, Decision Trees, Random Forests, Conditional Inference Trees

# **Relevent Experience**

#### **Fenwick Elliott**

Freelance 2018-Present Various freelance contracts across all aspects of techno-

logical services.

#### Just-Tech

Technical Assistant (full time)

2016-2017

Contractual Work

Ongoing

A small MSP where I worked on all facets of researching, implementing, debugging and maintaining tech services for our legal clients.

## **Hospitality**

Floor Manager General Manager 2013-2015

2015-2016

Started as a bus-boy at 16, worked up to manager before switching industries.

#### Education

Bloc

2017-2018

Software Development Track

Intensive, immersive and challenging course covering all facets of software development from front-end to complexity growth rates.

#### **University of Bristol**

2007-2010

B.Sc. Chemistry

Concentration in computational practices, dissertation on utilization of asymptotic tending in equipartition calculations of graduated complexity levels.

#### **Technical Skills**

Golang, JavaScript, Node.js, Ruby, Rails, SQL, NoSQL, DevOps, AWS, GCP, Git, Bash