



## Aymon Patrick Fournier

<https://github.com/invious>

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**OBJECTIVE** A position in the field of computers with special interests in business applications programming, information processing, and management systems.

**EDUCATION** *Bachelor of Science, Computer Science*  
University of Maryland, College Park, MD, May 2016  
Concentrations: Web&Mobile Development, Security, Augmented&Virtual Reality

**COMPUTER SKILLS** *Languages: Java C#, Ruby, Python, HTML&CSS, JavaScript, jQuery, Swift*  
*Frameworks: Android, Django, React*  
*Skilled In: RegExp, L<sup>A</sup>T<sub>E</sub>X, Git, Linux, bash, osascript,*

**EXPERIENCE** *Front End Developer* August 2017-Present  
Insight Global / United States Patent and Trademark Office

- Developed new features for the PE2E Official Correspondence large-scale web application used by patent examiners to prepopulate legal forms and transact with patent applicants
- Implemented 508-compliant interfaces for the visually-impaired
- JQuery, JavaScript, HTML5, CSS

*Lead Software Engineer* July 2016-August 2017  
Cybersecurity Innovations Lab at Jacobs Engineering

- Manage relationships/productivity of team of engineers
- Wrote the front and backends for several Django projects using Javascript and jQuery for front end. Project submission system, IT asset organization platform, and identity management PEP that uses XACML.
- Django, Python, jQuery, React, HTML5, CSS

*Mobile Software Developer* Summers 2009-11  
Center for Advanced Transportation Technology Lab, University of Maryland, College Park, MD

- Collaborated with developers to adapt the Regional Integrated Transportation Information System to BlackBerry Devices.
- Managed the BlackBerry mobile RITIS project; helped other developers with the intricacies of BlackBerry development.

*Software Developer & Inventor* Winter 2009 - Present  
Self-Employed

- Creating, programming, marketing, and selling Android applications
- Pioneered many Android application firsts, e.g.
  - permanent drop-down menu notes
  - battery percentage in menu bar, (before integrated in OS)
  - remote SMS driven phone operation
- Designed, programmed and marketed an app that grossed >\$20k over eight month period

**PUBLICATIONS** “Control of a Remote Mobile Device” [US Patent Application 20100227605](#)  
• Referenced by Samsung, Apple, Google, others.



**PREVIOUS  
PROJECTS &  
CONTRACT  
WORK**

*Invious Industries - GCD Scraper ([site/git](#))* May 2016

- Wrote a scraper to automate a time-consuming manual business filing search. Client manually searched and opened PDFs to find signer contact information. Learned and leveraged **Redis** and **Flask** with **Python** on **Heroku** to create a web interface to upload a file to a script that would automate the navigation, parsing, and extracting of signer contact information, and allow the user to download the results as an excel file.

*Seize Command - [Landscape Lock App](#)* April 2011

- Wrote an application to exploit a command that told the Android phone that the keyboard was being slid out to lock the phone in Landscape mode. The phone was required to have root access for the application to work, as well as a slide-out keyboard. Useful for reading or using GPS navigation.

*Seize Command - Rom Search Plus ([git](#))* August 2010

- Eventually suspended from the Android Play Market when terms and conditions were changed to disallow emulation-related applications, this app gave a simple search to click and download interface to several difficult-to-navigate, ad-filled mobile-unfriendly websites that hosted ROM files for emulators.
- Made searching and downloading games for Android emulators easy.
- Created this because the only other application that was doing this was not anticipating that the next wave of Android devices would be capable of emulating Nintendo 64, and PSX.
- Grossed \$20,000 in first year.
- Created several applications to assist users with ROM-related tasks:

- *un-ECM for Droid* *September 2010*
  - \* Used the Java Native Interface to provide a hook from Java to allow native C code to be executed within the application to run un-ecm written by Neill Corlett.
  - \* .ECM is a popular compression format for PSX ROMS. It was unsupported by existing PSX emulators; this tool converts them to .bin, a more commonly used format.
- *droidIPS Rom Patcher* *September 2010*
  - \* Allowed users to patch ROM files from their Android phones, avoiding having to do it first on a computer and then transferring the modified files back to the phone.

*Seize Command - [Battery Percentage](#)* April 2009

- Was one of the first applications to display the battery percentage in the status bar before it was implemented into the Android operating system. Popular battery widget because it was the first pretty graphical battery desktop widget that reacted to change in battery events. Originally written for a custom Home screen that allowed widgets, adapted for Android when the SDK allowed it.

*Seize Command - SMS Commander ([play store](#))* February 2009

- Wrote an application that allowed users to send text messages to their own cell phones from a remote phone to have it execute intended commands. To help the user:
  - Find a silenced phone
  - Lock the phone w/ SMS
  - Get missed calls automatically
  - Get a Google Map of your phone's location
  - Get Battery Percentage



- Forwarding of text messages
- Created add-on applications that could be purchased to unlock additional features within the main application, by checking to see if the main application's package was installed on the phone.
  - *SMSC Record* February 2009  
Allowed the user to remotely start and stop recording with the microphone
  - *SMSC React: ForceFart* February 2009  
Although perhaps juvenile, allowed user to use phone as digital whoopee cushion, triggering a fart noise and recording a reaction.

**PLANNED &  
CURRENT  
PROJECTS**

*“Communication Between Augmented, Laptop, Mobile and Handheld Devices in a shared Physical space for Saving Vectorized 3D Candid Memories”* May 2016

- Granted a provisional patent, saving money for initial start-up hardware and labor costs and eventually applying to a start up accelerator.

*ionBit* June 2016

- A small Mac OSX app that displays the current bitcoin price in the menubar, and bitcoinity price graph information on click

*GiphyPaste Alfred3 Workflow* August 2016

- a “workflow” for Alfred3 that allows users to quickly search, view and copy Giphy gifs straight from the keyboard interface Alfred provides, to the mac pasteboard.