

ALEXANDER FREAS

+1.740.314.4150

akfreas@gmail.com

sashimiblade.com

- Proficiency in Objective-C and Cocoa Touch Framework
 - Strong command of native iOS Frameworks such as Core Data, Core Animation, and NSOperation
 - Strong command of third-party frameworks such as Core Plot, and GHUnit Testing Framework
- Strong Bash Scripting skills and proficiency with the UNIX command line
- Proficiency with Python and Django Web Framework
- Proficiency in creating efficient and reliable continuous integration pipelines
- Proficiency with cloud computing concepts, strong knowledge of Amazon Web Services
- Intermediate proficiency with Opscode Chef and cloud deployment
- Passion for developing clean code in an agile environment
- Very willing to relocate

Franciscan University of Steubenville, Steubenville, OH

Bachelor of Science in Computer Science, Mathematics Minor – May 2011

Senior iOS Engineer, TaxiMagic, Inc., Alexandria, Virginia, August 2012 – Present

- Helped to develop the Taxi Magic and Taxi Magic Driver iOS apps, working through major UI refactors and backend interface refactors.
- Worked with product owners and stakeholders to bring the app to a state that exceeded expectations, providing users with an elegant and simple experience.
- Significantly improved the team's efficiency and product quality by creating a continuous integration system coupled with an in-house app publishing system, allowing product owners and beta testers to ensure that technical and business requirements were being met.

Founder, Carpe Solutions, Inc., May 2012 – Present

- Started small contracting business focused on building and maintaining iOS and Python apps.
- Clients include Socialize, Inc., and Edelman.
- Currently not actively pursuing any new contracts but continue to work on existing, ongoing projects.

Junior iOS Engineer, Agilex Technologies, Chantilly, Virginia, November 2011 – June 2012

- Worked on a small team to develop a suite of over ten iOS applications for the Veteran's Administration as part of their Clinic-in-Hand project. This involved integrating with and developing for a RESTful backend web service that hosted and stored all client-facing data.
- Challenges met and overcome during the course of this project included implementing a high level of security and usability, continuously delivering a working product to members of the pilot program, and finding creative ways to merge cutting-edge technology with legacy systems.
- Helped create a truly continuous, stable build pipeline that included unit, integration, and acceptance testing as well as distributing our iOS apps and Java web backend.

Application Developer, National Geographic Global Media, Washington, DC, July 2011 – October 2011

- Developed applications in Python/Django for the content management system used by all of National Geographic branded websites, which included writing code for both frontend and backend aspects of their CMS. Worked with content producers to deliver Django templates and functionality according to specifications.

Projects and Products:

- **LegacyApp (Released October 2013)** <http://bit.ly/18mCuit>
App focused on easy and fun exploration of historical figures' life events. Connected to a Django backend running on EC2 hosting the 20k+ historical events displayed in the app. S3 used to host images compiled from multiple sources (Wikipedia, Facebook, Freebase, and Google Image Search). Relies heavily on Core Graphics and Core Data.
- **Hapto (Released July 2012)** <http://bit.ly/HJDvdt>
Small app for tracking vacation time and calculating vacation time available. Implements a modified version of the Tapku calendar library. An update for iOS 7 will be available by the end of November.
- **Spout (v1 in use October 2012)** <https://github.com/ridecharge/spout>
In-house iOS and Android app distribution platform created to provide QA and product owners with the latest versions of our mobile apps. Was built into our CI process, so when a build completed, it was uploaded to Spout through its upload API. Access restriction allowed our mobile teams to publish enterprise-signed versions of our apps to beta testers outside the organization securely and revoke access when needed. Written in Python using the Django web framework.