

RESUME

CHRISTOPHER GEORGE PRINCE

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SUMMARY

A talented developer who produces sophisticated software in a short time-frame. Strong capabilities in object-oriented software design, having worked in industry and academia with numerous object-oriented languages on many projects. Exceptionally strong program debugging skills due to extensive knowledge of computer systems software. Only very rarely does a software problem leave me stumped. I easily learn new SDK's, server API's, and programming languages.

SOFTWARE DEVELOPMENT EXPERIENCE

- Overall Native iOS app developer for four years (since Mar 2012). Developing in Swift for 1.5 years (since Sept 2014). Programming other systems and languages for 35 years (since 1981). Contributed solely or partly to five apps on the Apple App Store.

Project	Owner/Duration	Purpose	Technology Highlights
RevFire iPhone app (contract)	RevFire Corp; 160 hour contract	Receives pitch data from BLE baseballs and shows performance data for baseball and softball pitchers	CoreData, CorePlot; Swift
SMSyncServer client and server (open-source)	Self-owned; Ongoing project started November 2015	Developer tools to sync data across mobile devices & give users permanent access to data	XCTest; Custom iOS Client Framework; Node.js & Mongo server; Google Drive; CoreData; REST; Swift
Catsy iPhone and iPad universal app	Self-owned; six months/ongoing	Customizable game for cats, enabling pet owner to create & share game instances	StoreKit; CoreData; SpriteKit; Custom iOS Framework; Swift
Petunia iPad app	Self-owned; 19 months/ongoing	Pet health & vet records, enabling pet owners to store, maintain, and share their pets health info	Custom PHP server; REST; CoreData; StoreKit; iAds; Dynamic PDF generation; Google Drive; Dropbox
SCB iPhone and iPad apps (contract)	Standard Chartered Bank; four month contract	Contract through Markit on Demand; Allows financial analysts to read PDF reports; part of large team with iOS, Android, & web developers; QA, designers, & managers	Hybrid UIWebView/native apps; Custom UIView's & UIViewController's; CoreData; REST
PALS Atlas firmware (contract)	Actall Corp; six month contract	Contract through Cardinal Peak; documentation & changes to security device firmware worn by prison guards	C language; TI MSP430 microcontroller
WhatDidILike iPhone app	Self-owned; six months/ongoing	Restaurant & menu item preferences	Storyboards & Interface Builder; CoreLocation

OTHER WORK EXPERIENCE

- Spastic Muffin, LLC (owner), July 15, 2013 to present.
- Univ. of Minn. Duluth, Assistant & Associate Professor (tenured), Comp. Sci., Oct 00 – Jan 13
Taught computer science courses and conducted cognitive science research.
- Louisiana Tech University, Visiting Assistant Professor, Comp. Sci., Fall 98 – Spr 00
Taught computer science courses and conducted cognitive science research.
- Alberta Research Council (ARC), Advanced Technologies Division, 87 – 89
Database programmer for oilfield related software in C and Oracle.

EDUCATION

- University of Southwestern Louisiana, Fall 1998 & Spring 1998, Computer Science, M.S. & Ph.D.
- University of Hawaii at Manoa, 1994, Human & Animal Cognition, M.A.
- University of Victoria, 1986, Computer Science (First Class, Cooperative Ed.), B.S.

TECHNOLOGIES

- Swift, Objective-C, PHP, Node.js, C, C++, Java, Scheme (Lisp), Python; shell scripting languages;
- iOS frameworks and technologies including CoreData, StoreKit, CoreLocation, iAds, SpriteKit;
Custom UIView's, UIViewController's, and Container view controllers
Storyboards/Interface Builder;
- 3rd party iOS frameworks including AFNetworking, CorePlot, Crashlytics, Google & Dropbox
APP's;
- Xcode 5, 6, 7; Cornerstone/SVN version control; SourceTree/Git version control;
- Various web technologies (e.g., JavaScript, HTML, CSS, AJAX, mySQL).

OTHER SKILLS

- Excellent debugging and software problem-solving skills;
- Highly skilled at writing, presenting, teaching, and research.

PERSONAL INTERESTS

- *Cycle commuting*: In Colorado, I have cycled thousands of miles, e.g., between Louisville and Boulder.
- *Flying sailplanes*: I have flown over 13,000 km in cross-country glider flights.
- *Cooking*: I enjoy cooking Indian and Asian food, and can often be found in Asian supermarkets.
- *Photography*: I enjoy taking photographs with my iPhone, Canon PowerShot G9, and Nikon D7000.

REFERENCES: Available upon request