CONTACT

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AWARDS

Stitch
3rd Place at LA Hacks 2016

Lighthouse
Best Mobile Hack at HackSC

BrainSpace VR
Top 4 Featured Hacks at CalHacks 2.0

Future Without Borders
Best Use of IBM Bluemix by IBM at SDHacks
Most Entrepreneurially Viable Hack by Perkins Coie at SDHacks
Hack That Best Connects Us by Viasat at SDHacks
Most Innovative Award by Facebook at ACM Hacker Expo 2015
Individuals Impacted by IBM at Bluemixathon

I SPEAK

C/C++

Swift

Python

Java

BASH/Shell Scripting

Javascript/WebGL

HTML/CSS

Verilog

SOFTWARE

Xcode

Sketch

Vim

Microsoft Visual Studio

Android Studio

SKILLS

Linux, Designer, Guitarist, Team player, Leader, Dedicated Tutor/Mentor, World Traveller

JAHAN KURUVILLA CHERIAN

EDUCATION

University of California, Los Angeles   Expected June '18
B.S Computer Science
GPA: 3.73

WORK EXPERIENCE

Autodesk   SWE Intern   June '16 - Present

Working on Fabric - a project to make AutoCAD platform agnostic

- Wrote a platform abstraction layer for disk persistence amongst iOS in Objective-C and amongst WinRT systems in C++/CX.
- Created an IPC protocol using serialization of Whip calls through protobuf in C++.
- Going to create an RPC API through gRPC in C++ using protobuf as the IDL.

TOP PROJECTS

Lighthouse - Co - founder and iOS Engineer

Guiding the world to a safer place with the click of a button

- Created networking API using Alamofire in Swift to communicate with our server in Ruby on Rails.
- Built the entire mapping and tracking functionality using Apple's CoreLocation services and Google Maps iOS SDK.
- Built custom views using CoreGraphics and custom extensions of UIKit.
- Built TodayExtension to provide ease of access button on the lock screen.
- Re-vamping the application to become the default dialer app, creating the UI/UX in Sketch and implementing the functionality in Swift.

Stitch - Co - founder and iOS Engineer

Putting artistic Artificial Intelligence into the hands of everyone

- Developed the iOS networking API with AWS using Alamofire, to push and get images to a Node server.
- Implemented the neural style Convolutional Neural Network within the AWS server to generate the artistic image on a powerful GPU.

Future Without Borders - Co - founder and iOS Engineer

Connecting refugees for a better future

- Built out the functionality in Swift for iOS using Parse and Facebook's SDK, MapKit SDK, Stripe and Paypal SDK for donations and regex's for form control.

BrainSpace VR - Co - founder and Engineer

Experience the human brain like never before

- Scraped the web using the BeautifulSoup library in python to gather automated data of the brain from medical sites for display in Oculus.
- Used C# within Unity with the Muse and Myo API's to connect the Muse headband and Myo armband for user interactivity with the brain.

EXTRA-CURRICULARS

Tutoring Chair for Tau Beta Pi   Dec '15 - Present

- Create tutoring schedules, manage all the tutors, host events and tutor within the STEM field at UCLA.

Tutoring Committee for Upsilon Pi Epsilon   Jan '16 - Present

- Host midterm and final review sessions for Computer Science classes, specializing in computer architecture, data structures and algorithms and operating systems.

Frontend Developer for Daily Bruin   Jan '16 - Present

- Work with AngularJS and REACT to create beautiful websites for student run media at UCLA.