

Stefan Aleksic

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GitHub: <https://github.com/ColdSauce>

Seeking a Fall 2017 Co-op.

Work Experience

Gigster

Freelance Scala Engineer

Working in the elite Gigster freelancing network to create APIs in Scala for clients. (Can't discuss specific projects.)

Hong Kong & Rochester, NY

September 2016–Current

Twilio

Software Engineering Intern

Built and owned a new API from scratch. Part of an experimental two person team. Was lead engineer w/ PM intern being head PM. Built entire sprints together, created design specs, and held regular meetings. **Tech used:** Scala and the power of functional programming, Akka framework, Slick for database operations, and Circe for JSON Encoding/Decoding.

San Francisco, CA

June 2016–August 2016

Twilio

Software Engineering Intern

Created a fully functioning Python client for the Messaging Routing Service. Worked with my mentor to refactor cluster tests and to do them in a more functional way. Worked on a virtual SMSC and added onto all the important services in order to get Binary SMS working.

Tech used: Scala, Dropwizard, Java, Python, Akka, Scala Test

San Francisco, CA

June 2015–August 2015

Rochester Institute of Technology

Research Assistant

Created an augmented reality application that aided deaf and hard of hearing students in the classroom setting. The deaf or hard of hearing student would put on Epson BT-200 augmented reality glasses and be able to see subtitles of what a professor was saying, see the class slides, or watch the interpreter. All in augmented reality. **Tech used:** Android, Java, Javascript

Rochester, NY

January 2015 – September 2015

Some Selected Open Source Projects

Cosmos Browser

Android Application

Allows a user to browse the Internet using no data or WiFi. The app communicates using a custom SMS text messaging protocol as the form of transporting compressed HTML data. Had over 10,000 users the first day of launch.

DataWave

Android and Python Desktop Application

Allows a user to browse the Internet by connecting an Android phone to an FM radio plugged into the headphone jack and transmitting data using the FM spectrum.

Captor

Android Application

Google Cardboard augmented reality application that produces subtitles in real time for deaf and hard of hearing people.

Seam Carver

Python Application

Resized images using a computer vision algorithm called seam carving. The algorithm was written from scratch without using any computer vision libraries.

Education

Rochester Institute of Technology

Bachelor of Science in Computer Science,

Rochester, New York

2014–2019

Achievements

- Twilio "DOer of The Year" for creating Cosmos Browser
- Thiel Fellowship and MLH Rookie of The Year
- 1st place: Hack the Planet
- 1st place: BattleHack Chicago
- 1st place: RIT Free and Open Source Software Hackathon
- 2nd place: MHacks V
- 2nd place: DandyHacks 2017