Stefan Aleksic

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GitHub: https://github.com/ColdSauce

Seeking a Fall or Spring 2017 Co-op.

Work Experience

Gigster   **San Francisco, CA**
Scala Backend Freelancer   *September 2016–Current*
Building APIs and different backends in Scala. (Can't discuss specific projects.)

Twilio   **San Francisco, CA**
Software Engineering Intern   *June 2016–August 2016*
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.

Twilio   **San Francisco, CA**
Software Engineering Intern   *June 2015–August 2015*
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

Rochester Institute of Technology   **Rochester, NY**
Research Assistant   *January 2015 – September 2015*
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

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.

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   **Rochester, New York**
Bachelor of Science in Computer Science,   *2014–2019*

Achievements

- Twilio "DOer of The Year" for creating Cosmos Browser (2015)
- Thiel Fellowship and MLH Rookie of The Year (2014)
- 1st place: Hack the Planet 2015
- 1st place: BattleHack Chicago 2014
- 1st place: RIT Free and Open Source Software Hackathon 2014
- 2nd place: MHacks V