

Stefan Aleksic

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GitHub: github.com/ColdSauce

Work Experience

Facebook

Menlo Park, CA

Security Engineering Intern - Computer Emergency Response Team

Summer 2018

Analyzing potential malicious activity, building analysis tools, and creating malware detection signatures.

Uber

San Francisco, CA

Security Engineering Intern - Customer Identity Platform

Fall 2017

Built out an email verification product end-to-end. Implemented Email OTP on Uber's platform end to end, and implemented Google Smart Lock functionality on Uber's authentication front-end. Both of which are currently used in production. All projects required cross team collaboration, setting up meetings, and requirements building. **Tech used:** Go, Thrift, Python, JavaScript, Node.js, React, Redux

Twilio

San Francisco, CA

Software Engineering Intern

Summer 2015, Summer 2016, Summer 2017

Summer 2017: Added dynamic card functionality on Twilio's new UI. Made password reset functionality easier to work with. Worked with multiple teams to lead effort in removing global React and Redux instances from front-end. Worked with multiple teams to get better code coverage capabilities and insights into tests. **Tech used:** React, Redux, PHP, Scala.

Summer 2016: Built Country Guidelines service from scratch. Part of a two person team. Was lead engineer w/ PM intern being head PM. Built entire sprints together, created design specs, and held regular meetings with other teams. **Tech used:** Scala, Akka, Circe, Slick DB.

Summer 2015: Created a Python client to interface with an internal service. Performed extensive refactor of cluster tests. Worked on ability to send binary SMS messages through Twilio. **Tech used:** Scala, Dropwizard, Java, Python, Akka, Scala Test.

Rochester Institute of Technology

Rochester, NY

Research Assistant

January 2015 – May 2015

Created an augmented reality application that aids deaf and hard of hearing students in the classroom setting. **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. Featured on Android Authority, Smithsonian Magazine, top of Hacker News. 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.

Algebrissimo

Web App using Flask and React

Allows a user to perform algebraic operations on music. Uses deep learning to create a vector space of 1024 features of a song and provides an algebraic interface on top of it.

Education

Rochester Institute of Technology

Rochester, New York

Bachelor of Science in Computer Science,

2014 – May 2019

Achievements

- Selected as Twilio "DOer of The Year"
- Thiel Fellowship and MLH Rookie of The Year
- PayPal BattleHack World Finalist
- 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