

# Stefan Aleksic

1100 Gough St Apt 12A c/o Dan Bowman, San Francisco, CA

☎ +1 (224) 829 1887 • ✉ stefan@stefanaleksic.com • 🌐 www.stefanaleksic.com

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

## Work Experience

### Uber

San Francisco, CA

*Security Engineering Intern - Customer Identity Platform*

September 2017–December 2017

Built out an email verification product end-to-end. Implemented Email OTP on our platform. Currently being used in production. Implemented Google Smart Lock on our authentication front-end. Currently being used in production. All projects required cross team collaboration, setting up meetings, and requirements building. **Tech used:** Go, Thrift, Python, JavaScript, node.js

### Twilio

San Francisco, CA

*Software Engineering Intern*

Summer 2015, Summer 2016, Summer 2017

**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.

**Summer 2016:** Built Country Guidelines service 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 with other teams. **Tech used:** Scala, Akka, Circe, Slick DB.

**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.

### 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.

### 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
- Thiel Fellowship and MLH Rookie of The Year
- PayPal BattleHack World Finalist
- 1<sup>st</sup> place: Hack the Planet
- 1<sup>st</sup> place: BattleHack Chicago
- 1<sup>st</sup> place: RIT Free and Open Source Software Hackathon
- 2<sup>nd</sup> place: MHacks V

- 2<sup>nd</sup> place: DandyHacks 2017