Alan Sempruch

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Github profile: https://github.com/aSempruch

Education

B.S. Computer Science, Rutgers University - New Brunswick, NJ, US, 2015-2019
Graduated cum laude 1 semester early.

Employment

Software Engineering Intern,
Susquehanna International Group, Philadelphia, Pennsylvania
June 2018 – August 2018

Worked on web application responsible for providing analytics about performance and resource utilization of deployed applications.

Software Engineering Intern,
Columbia University Medical Department, Manhattan, New York
June 2017 – August 2017

Worked on RESTful back-end service responsible for tracking user watch time of web hosted videos.

Projects

Analyzing Reddit data with Hadoop MapReduce
https://github.com/aSempruch/RedditDataProject

Photo Managing App for Android
https://bitbucket.org/aSempruch/androidphotos69/src/master/

Bulletin Board Service using gRPC and Google Protocol Buffers
https://github.com/aSempruch/DS-Project_1

Cypher breaker written in Scheme
https://github.com/aSempruch/PPL-Project_2

Chrome Extension (150+ weekly users)
(hyperlink)Available on Chrome Web Store
functions as enhancement suite for staff portal of the Rutgers Office of Information Technology

Technical Skills

Programming languages (fluency in Java and C, good knowledge of Python and JavaScript(+NodeJS, React, ExpressJS))

Development tools (Git, IntelliJ, Visual Studio Code, Eclipse, GDB, Vim)

Linux programming (C language, sockets, pthreads)

Database systems (proficiency in MySQL, basic proficiency in MongoDB)

Data Analytics (proficiency in Hadoop MapReduce)

Mathematics (Calculus, Linear and Boolean Algebra, Discrete Mathematics)

Spoken Languages

English (Native)

Polish (Native)