

Alan Sempruch

alan.sempruch.lk@gmail.com | 201-790-1713

EDUCATION

RUTGERS UNIVERSITY

NEW BRUNSWICK
B.S. COMPUTER SCIENCE
Digital Communications and
Interactive Media Minor

7 semesters

Expected January 2019

Cum. GPA: 3.48 /4

DEAN'S LIST

- Spring 2016
- Fall 2017
- Spring 2017

LINKS

Github:// [aSempruch](#)

LinkedIn:// [alan-sempruch](#)

Website:// [alansempruch.com](#)

SKILLS

PROGRAMMING

Over 2000 lines:

Java • C • JavaScript • Python

React • JSX • Shell

Familiar:

CSS • React Native • PHP

MySQL • Visual Basic • Powershell

HTA • ASP.NET • L^AT_EX

SPOKEN LANGUAGES

- English [Native]
- Polish [Native]

PROJECTS

CHROME EXTENSION ZEDDER

Using vanilla Javascript, created Chrome extension that assists finding open work shifts for employees of the Office of Information Technology at Rutgers University. Extension was approved to be included in the official employee toolkit and during peak usage has 200+ active weekly users.

DATA MINING & ANALYSIS OIT SHIFT COVERAGES

Using python and beautiful soup, created web scraper that regularly collects data about work shifts from the Office of Information Technology. This data is then stored in a MySQL database and a front-end website made in React displays various statistics to employees of OIT about shift posting/coverage patterns.

VIDEO STREAMING WEBSITE VIDEOMED

<https://www.videomed.live/>

Using Wordpress along with custom PHP and Javascript code, created website for Columbia University Doctor's to watch medical conferences. Videos are categorized by conference and users are selectively granted access to view certain events. Currently in production with 100+ monthly users. This project was created thanks to my previous internship at Solutions Connected, Inc. contracted by Columbia University Medical Department.

MACHINE LEARNING GAME SOBRIETY TEST

[In Development] Using React, Express, Limbdu (Machine Learning library for Node) creating full stack application. User plays a game that requires following a moving point on the screen with mouse. Data on mouse movement is sent to back-end which trains/classifies a neural network and determines the level of intoxication of user. (Project on Github)

EXPERIENCE

TECHNOLOGY INTERN SUSQUEHANNA INTERNATIONAL GROUP, LLP

June 2018 – August 2018 | Philadelphia, PA

- Worked on internal website STUI V2 which displays information about computers in the Philadelphia Office using vanilla Javascript, jQuery, D3, and Bootstrap.
- Created full stack application using React, Express, MySQL, Leaflet (interactive online map library) that displays printers in the Philadelphia Office building. This application includes an admin edit interface, along with printer search functionality.

APPLICATION DEV INTERN SOLUTIONS CONNECTED, INC.

June 2017 – August 2017 | New York, NY | Columbia University Medical Department

- Created application used by IT technicians when setting up new computers that provides a step by step guide with verification of each step. Used Visual Basic with HTA for GUI.

CONSULTANT RUTGERS - OFFICE OF INFORMATION TECHNOLOGY

September 2016 - Ongoing

- Provide technological assistance to students and staff.
- Certified member of the Residential Networking Group (RESNet) which expands my area of operation beyond the computing labs to patron's dorm rooms.
- Member of the Office of Information Technology SWAT Team which provides technological support to students during move-in days.