Vinston Guillaume

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EDUCATION

State University of New York New Paltz, New Paltz, NY   Expected Graduation: May 2019
Bachelor of Science, Computer Science   GPA: 3.20

Relevant Coursework: Software Engineering, Web Programming, Objected Oriented Programing, Digital Logics, Assembly/Computer Architecture, Operating Systems, Discrete Mathematics for Computing, Discrete & Continuous Algorithms, Calculus II

Dean's List: Spring 2016, Fall 2018

TECHNICAL SKILLS

Languages: Java, C++, Python, HTML, CSS, JavaScript, jQuery, SQL
Tools: Android Studio, AWS Services (S3, RDS, API Gateway, Lambda), Directed acyclic graphs (DAGs), PostgreSQL, RESTful API, Node.js, Flask, Django, Vue.js, MongoDB
Systems: Linux/UNIX, Mac, Windows, Docker

WORK EXPERIENCE

Software Engineer, SUNY New Paltz Educational Opportunity (EOP)   January 2019-Present
- Creating an Online Tracking system for advisors to monitor their prospective students.
- Developing using Vue.js, Node.js, Mongo, Docker, Travis CI & Restful API implementation.
- Goal is to merge from physical documents to a real time monitoring system.

Software Engineer Intern, HBO   June 2018-August 2018
- Created a 'serverless' dashboard using AWS services as well as RESTful API implementation to display workflow tasks for the Media Technology Information System (MTIS) team.
- Increased productivity within the Data Analytics Team by automating current workflow alert system.
- Working within the Development Operations team that provides support for HBO Cloud applications.

Computer Science Tutor, SUNY New Paltz   January 2018-Present
- Provide instructional support to students to help them improve their computer science knowledge.
- Prepared students for upcoming exams and assignments in Computer Science I & II.
- Students obtained overall grades of B+ and above.

Computer Science Instructor, Science and Technology Entry Program (STEP)   May 2018-Present
- Develop extensive lesson plans and assignments specifically for each individual high school student's level.
- Taught class of 25 students basic configuration of micro-controllers such as raspberry pi and arduino boards.
- Instruct introductory computer programming course to high school STEP students; Java and Python.

PROJECTS

Android Remote Controlled Car (2018)
- An Arduino powered car which received a serial connection from a HC-05 Bluetooth module.
- The android application sends commands to the Bluetooth module which enables the car to operate.
- Repo: https://github.com/vguillaume8/RemoteControlCar

Exercise App (2018)
- An exercise app for users to log their exercise workouts and upload and share photos of themselves exercising.
- Implemented with a Vue.js front-end, using a RESTful API to connect to Node.js express server.
- URL: http://exercise.vinstonguillaume.com
- Repo: https://github.com/vguillaume8/letsExercise

LEADERSHIP & ACTIVITIES

President, National Society of Black Engineers (NSBE)   May 2017-Present
- Led recruitment initiative increasing chapter from 5 students to 20 students in under one month.
- Provided programmatic content resulting in 8 internships/full time job opportunities for Summer 2018.
- Promote diversity within the Computer Science and Engineering Department on campus.