CELINA PERALTA

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Skills

PROGRAMMING
Java
Python
C/C++

TECHNOLOGIES
Git
Arduino
Excel
Linux

WEB DEVELOPMENT
PHP
MySQL
Flask
HTML/CSS/JS
Node.js

Awards

RidgeHacks - First Overall Hack (Rebust)	April 2019
Scholastic Art and Writing Gold Key - Poetry	December 2015
National Honor Society	2018
National Spanish Honor Society	2018

Education

Stevens Institute of Technology — August 2019 - May 2023
B.S. Computer Science
Honors: Pinnacle Scholar, Dean's List
Activities/Clubs: oSTEM, Filipino Association at Stevens Tech (FAST)
GPA: 3.778

Bergen County Academies — September 2015 - June 2019
Academy for Technology and Computer Science
Selected Coursework: Data Structures, AP Computer Science (5); Linear Algebra & Differential Equations; Processors I & II; Advanced Topics in Computer Science; AP Calculus AB (5)
Cumulative GPA: 3.932 | SAT: 1510

Industry Experience

Recon Industrial Controls Corporation · Intern — September 2018 - June 2019
Englewood, NJ
- Utilized Arduino photoelectric sensors to detect damage taken in video games by tracking red flashes and hues.
- Designed C programs for Arduino WeMos robots used in undergraduate classes at Stevens Institute of Technology.

T.E.C.H. Camp · Student Teacher — August 2018
Bergen County Academies
- Developed lesson plans that incorporated mandated topics and included immersive activities for student engagement.
- Taught introductory theoretical computer science topics such as boolean logic and number systems to middle school girls during a week-long STEM camp.

BCA Web Apps · Intern — Summer 2016 - September 2018
Bergen County Academies
- Led development of a teacher proctoring registration application with automated reminder e-mails using a PHP/MySQL back-end stack along with the Sendgrid API.
- Maintained existing applications and implemented uniform designs in HTML and CSS.

Projects

Clinical Outcomes Checker — September 2018 - May 2019
- Updated and optimized a Gradle application for verifying clinical tests for cancer developed by researchers from Broad Institute and Dr. Yujin Hoshida (Mount Sinai, UT Southwestern). Improved user experience of the application using the Materialize framework and optimized analysis algorithm time.

Rebust — April 2019
- Rebust is an online rebus puzzle solver that runs on a Flask server with Clarifai and Datamuse. Rebust takes user input, a rebus, in the form of image files and text, parses the input into phonetic strings, and outputs likely solutions in English to the original puzzle. Will likely continue development as a research project.

Miller-Urey Webcam Stream — January 2019
- Created a Java-based webcam streamer application for use in the Recon Industrial Corp. makerspace's Miller-Urey experiment livestream.

TR-808 Drum Machine Emulator — Spring 2017
- Worked with a classmate to create a Java-based virtual drum machine modeled after the Roland TR-808 for our AP Computer Science class.

Activities

FIRST Robotics - Team 6203 Programming Team Captain — November 2015 - June 2018
Carried out responsibilities such as creating and teaching Java curriculum and organizing subteams during the season.

Mission Music - Co-President — September 2015 - June 2018
Organized benefit concerts and in-school activities to raise money for music education for underprivileged kids.

HackBCA/Imagine - Logistics/Outreach Organizer — December 2017 - April 2018
Created personalized blurbs for speaker invitations. Assisted with spreadsheets for logistics.

Work Experience

Walgreens · Designated Hitter — November 2018 - February 2020
- Engage with hundreds of customers in an engaging, proactive, and friendly manner.
- Handle returns, exchanges, and assist with Western Union transactions.
- Assist customers at the photo center and create prints and custom photo products.
- Aid pharmacy technicians in receiving and filling prescriptions during peak hours.

Grand & Essex Supermarket · Cashier — June 2017 - August 2017
- Answered customer inquiries and clarified details regarding charges.
- Scanned goods and collected payments and issued refunds, receipts, and change.