

Araceliz M. Gomes

COMPUTER SCIENCE & ENGINEERING

150 Alpine St. Bridgeport, CT | (203) 768-3887

EDUCATION

University of Connecticut

B.S. Computer Science & Engineering

SKILLS

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araceliz.gomes@uconn.edu

Storrs, Mansfield, CT, USA

August 2016 – Present (Graduation: May 2020)

Languages: Fluent in English, Spanish and Creole (Cape Verde Islands)

Programming Languages & Technologies: Python, Java, C, MySQL, HTML/CSS, PowerShell, JavaScript, Angular, MATLAB, MIPS, Scheme, Git, Docker, Kubernetes, Firebase, Linux, Vim, Visual Studio Code, Eclipse IDE.

RELEVANT COURSES

Intro to Computing for Engineers in Python, Intro to Principal Programming in Scheme, Data Structures and Object-Oriented Design in Python, Introduction to Discrete Systems, Digital Logic Design, Systems Programming in C, Intro to Software Engineering, Computer Architecture, Electrical Circuits, Algorithms & Complexity, Theory of Computation.

EXPERIENCE

Inovum IT Solutions

Barcelona, Spain

Software Developer Intern

May 2019 – August 2019

- Built Smart Machine Monitoring Web Application within Docker container using Angular, JavaScript, Python and a Firebase database.
- Conducted Research on Predictive Maintenance and built machine data simulation to feed into Predictive Maintenance algorithm.
- Wrote article about IoT based Predictive Maintenance which has been published on the company newsletter and website.
- Contributed to a research project sponsorship proposal to EuroSTAR, funded by the European Union.

University of Connecticut Student Affairs Information Technology

Storrs, CT

Systems Administration Student Employee (20+ hours/week)

Feb 2018 - Current

- Manages several projects throughout semester including software imaging on admin and client machines.
- Implemented management and configuration system for over 100 iPads, utilized by Student Servicing UConn departments.
- Develops scripts for server and database management throughout year using PowerShell and Python.
- Imaging and installing Linux server virtual machines for testing purposes.

Connecticut Center for Advanced Technology, Inc.

East Hartford, CT

Technical Support and Data Management for Manufacturing Intern

Jan 2018

- Applied MySQL and SQL to build database for CCAT Manufacturing Floor Data of Alloy Processes for the Navy.
- Leveraged MATLAB skills to develop software to automatically generate multiple graphs of Sound Data.

Municipal Parking Services

Bridgeport, CT

Digital Marketing Intern

June 2017-Aug 2017

- Developed marketing platform for the City of Bridgeport, designing ads for local businesses and selling ad space on digital parking meters.
- Managed social media accounts for Facebook and Twitter. Leveraged HTML and CSS skills to update company website.

PROJECTS

GOOGLE CodeU Participant SU'2018 • Team 34 Chat App

Participated in CodeU, an exclusive Software Development program for high potential students to strengthen their skills.

- Collaborated with a team of three peers to design and implement a [user interest-based chat web application](#) with Java, JavaScript, HTML and CSS over the course of 12 weeks, leveraging various Google Cloud Platform APIs, including App Engine and Datastore.
- Personal contributions to Chat Web Application include the creation of the [Group and Private Conversations Feature](#), the [Add and Remove Users from a conversation Feature](#), and the [Profile Pages](#) which consist of an 'About Me' section and a 'Most Recent Activity' Log. In addition, I created the [most recent Graphic User Interface](#) for our Chat Application.

VMWare CodeHouse Atlanta – TrueMentor

- Collaborated with a team of three computer science students and a VMWare Software Engineer to create a mentor matching platform for underrepresented students in the field of engineering called **TrueMentor**.
- Web app is was built with Flask, Python, HTML/CSS and Firebase Database, within Kubernetes and Docker environment.

LEADERSHIP & AWARDS

- Forbes Under 30 Scholar – 2019
- Hispanic Scholarship Fund Scholar – 2019
- VMWare CodeHouse Travel Grant Recipient – 2019
- Grace Hopper Scholarship Recipient – 2019
- GOOGLE Lime Scholarship Recipient – 2019
- GOOGLE Travel Grant Scholar - SHPE 2018
- Women Techmakers Scholar - GOOGLE Chrome Dev Summit 2018
- Society of Professional Hispanic Engineers, Event Planner (Aug 2016-Current)
- BRIDGE Mentor – UConn Engineering Outreach Diversity Center (Oct 2017-Current)
- Engineering Ambassadors Member and Tour Guide (Aug 2016-Current)