Edwin Villafane Hernandez

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SKILLS

PROGRAMMING
Familiar:
• Java • LaTex • HTML • CSS • SAS • R
• Python • MatLab

LANGUAGES
Fluent:
• Spanish

INTERESTS

Statistics/Data Science
Machine Learning
Education Outreach
Immigration and Policy
First Generation and Low Income Issues
English as a Second Language
Music

PROJECTS

• DrinkResponsible: Mobile alcoholic drink tracking app
• WHAPPy: Uses Weather API to display weather from around the world
• PokeMemory:
• AlphaGraph: An application that displays the frequency in given text

EDUCATION

POMONA COLLEGE
Bachelor of Arts in Computer Science and Mathematics
Expected May 2018 | Claremont, CA

COURSEWORK

UNDERGRADUATE
MATH031H: Honors Topics in Calculus II
ID001-14: Education and Its Discontents
HIST17: Chican@/Latin@ Histories
CSCI051: Introduction to Computer Science
MATH060: Linear Algebra

AWARDS

• High Achievement Program Scholar
• Pomona College QuestBridge Scholar
• Dell Scholar

EXPERIENCE

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE SUMMER INSTITUTE IN BIOSTATISTICS TRAINING
Boston University Site Participant
June 2015 – Present | Boston, MA
- Completed modules in biostatistics, epidemiology, clinical trials, statistical genetics and training in SAS and R
- A major component of the program was analysis in SAS of data collected from the Framingham Heart Study and the Jackson Heart Study

YIK YAK
Pomona College Campus Representative
December 2014 – May 2015 | Claremont, CA
- Acted as campus contact for Yik Yak team while planning and hosting events on campus.

CODE2040
Technical Application Prep (TAP) Participant
May 2015
- The TAP Retreat consisted of an evening focused on networking and understanding careers in tech, two days of skill-building sessions, such as preparing for technical and behavioral interviews while meeting people in the tech industry

HIGH ACHIEVEMENT PROGRAM SCHOLAR
Research Assistant/STEM Scholar
June 2014 – Present | Claremont, CA
- Interned with Professor Blerta Shtylla and assisted with the project "Stochastic Modeling of Bacterial Division Dynamics."
- Aided in the implementation of simulation code in MatLab, Python and MesoRD to produce models of Par A and Par B protein movements during cell division.
- Wrote a chapter overview on Statistics from a Calculus textbook using LaTex.

5C HACKATHON   November 2014
- Used HTML, CSS, and IntelXDK to Co-build a drink tracking app that would warn users depending on the type of drink and the amount of drinks they had consumed.

CMD-IT
Student Professional Development Workshop Participant
August 2015 | Austin, TX
- Scholarship recipient to attend a Computer Science workshop targeted for underrepresented students in Computer Science

RESEARCH

POMONA COLLEGE SUMMER UNDERGRADUATE RESEARCH PROGRAM
Research Assistant
May 2015 – August 2015 | Claremont, CA
Worked with Gizem Karaali to define "quantitative literacy," and "numeracy," in order to refine, expand, and characterize these terms for interdisciplinary use, especially in education and public policy