

ERNESTO GARCIA VAZQUEZ

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EDUCATION

UNIVERSITY OF NORTH CAROLINA – Chapel Hill, NC

Aug 2018 – May 2021

B.S. in Computer Science

- The Carolina Covenant Scholarship, Chancellors Access NB Scholar, Jimmie Norris Scholarship
- **Organizations:** UNC Developer Student Clubs (Core Team), Web Dev Carolina
- **Cumulative GPA:** 3.939
- **Relevant Coursework:** Data Structures, Algorithms, Probability, Machine Learning, Digital Logic and Computer Design, Operating Systems, Modern Web Programming, Files and Databases, Bioalgorithms

MIAMI DADE COLLEGE, THE HONORS COLLEGE – Miami, FL

Aug 2016 – Aug 2018

A.A. in Computer Science

- **Organizations:** Engineers For A Sustainable World (Core Team), Phi Theta Kappa Honors Society
- **Cumulative GPA:** 4.000; Dean's List
- **Relevant Coursework:** Multivariable Calculus, Linear Algebra, Discrete Mathematics, Programming

SKILLS

- **Programming Languages:** C/C++, Java, Python, JavaScript
- **Web Development:** React, HTML, CSS, Firebase, Material-UI
- **Other Technical Skills:** MIPS Assembly, Verilog, Linux, SQL, NoSQL, Git, LaTeX
- **Languages:** English, Spanish, Portuguese

PROJECTS

DTRACKER, A TRACKING SYSTEM FOR ONLINE SUCCESS

Sep 2020 – Dec 2020

- A truck-tracking delivery system for small transportation businesses, in an effort to ameliorate the traditional paper-based systems that many of these small companies rely on nowadays.

THE TAR HEEL SHELL

Aug 2020 – Oct 2020

- Implemented a mini-shell with basic operations to become familiar with low-level Unix/POSIX system calls related to process and job control, file access, and IPC (pipes and redirection).

THE MIPS ASSEMBLY CONGLOMERATE

Mar 2020 – May 2020

- A series of mini-programs written in both C and assembly language using the MIPS Assembler and Runtime Simulator, renowned sorting algorithms, and low-level programming fundamentals.

QUESTION GENERATION IN AN EDUCATIONAL CONTEXT

Feb 2020 – May 2020

- Addressed a particular area of question generation, along with three UNC students, by taking a state-of-the-art model in supervised question generation and applying it to an educational dataset.

CERTIFICATIONS & AWARDS

HAYDEN B. RENWICK ACADEMIC ACHIEVEMENT AWARD

Apr 2019, Apr 2020

PRESIDENT'S VOLUNTEER SERVICE AWARD

Apr 2017, Apr 2018

PROFESSIONAL EXPERIENCE

UNIVERSITY OF NORTH CAROLINA – Chapel Hill, NC

Aug 2018 – Feb 2021

Mathematics/Computer Science Tutor

- Tutored at both the Math Help Center and the Learning Center for different Mathematics and Computer Science courses offered at the university. Courses included Multivariable Calculus, Discrete Mathematics, Computer Organization, Programming Foundations, and Data Structures and Algorithms.

MIAMI DADE COLLEGE – Miami, FL

Jan 2018 – Aug 2018

Mathematics/Programming Tutor

- Mentored and assisted students in different courses through interactive discussions and review sessions. Courses included Calculus One and Two, Discrete Structures, and Introductory C/C++ Programming.