

# Jose Varela

joseavarela.com

Email: josevarela42@gmail.com

www: <https://www.linkedin.com/in/joseavarela>

**OBJECTIVE** Seeking a Software Engineer full time position where skills in Java, C/C++, Embedded software/hardware, and good written and oral communication skills will assist the company.

**EDUCATION**     **The University of Texas – Dallas:** B.S. in Software Engineering, Anticipated May 2018  
**G.P.A.** 4.0/4.0  
**Specializations:** Embedded Systems  
**Credit Hours:** 149

## PROJECTS     **Secure Patient Portal | Fall 2017**

- Used the MVC design pattern to create a patient portal with a secure login that allows managing and sharing medical records while conforming to the CISS Model, all while HIPAA compliant. Also implemented an emergency queueing system for more efficient resource management.

## **Self-Driving Robot | Fall 2017**

- Collaborated with a group to design the software for a robot with the use of its sensors and actuators so that it can safely navigate through obstacles.

## **Fighter Jet Architecture | Spring 2017**

- Worked jointly with classmates to produce an architectural design for the F-35 fighter jet using the '4+1 View Model' so to precisely describe the specifications of the software architecture

## **Client / Server Video Streaming | Spring 2017**

- Implemented a streaming video server and client that communicate using Real-Time Streaming Protocol and send data using Real-Time Transfer Protocol.

## **Ecommerce Services | Fall 2016**

- Designed and implemented services and DAOs that support an ecommerce site's requirements using JDBC, and then updated to Hibernate. Verified functionality with custom JUnit testing.

## **Operating System Simulation | Fall 2016**

- Designed a simulation of an operating system, where the CPU reads and interprets a wide variety of instructions from memory, and gets interrupted by a timer and system calls.

## RELATED EXPERIENCE

**Senior Design Project:** Alliance Data Systems     January 2016 - current

- Using the Agile Methodology to create an economic dashboard to assist management with tools in order to make better informed business decisions relating to resource allocation.

**Production Expeditor:** Assurant     March 2016 – August 2017

- Worked in a team to facilitate and expedite the company's distribution process

**Host:** The Courtyard Villa     February 2013 – April 2014

- Interacted with guests to provide an exceptional level of service under heavy time constraints

**Intern:** City of Grand Prairie     November 2011 – February 2012

- Assisted in constructing a plan for the replacement of a faulty pipe

## TECHNICAL SKILLS

|   |            |                |               |            |         |
|---|------------|----------------|---------------|------------|---------|
| <b>Programming Languages:</b>             | Java       | C/C++          | Python        | Assembly   | Verilog |
| <b>Web Technologies:</b>                  | CSS        | HTML           | JavaScript    | Node.js    | PHP     |
| <b>Database Technologies:</b>             | MySQL      | NoSQL          | AWS           |            |         |
| <b>Operating Systems:</b>                 | Linux/Unix | Windows 7,8,10 |               |            |         |
| <b>Real Time Development Environment:</b> | Eclipse    | NetBeans       | Visual Studio | SolidWorks | AutoCAD |

## SKILLS

5 years experience in teams environment  
5 years experience in problem solving (academic)  
Languages: English, Spanish (fluent)

## MEMBERSHIP AWARDS AND HONORS

**Phi Theta Kappa:** Member     Fall 2015 - Present

**Dean's List:** University of Texas at Dallas     Fall 2016- Fall 2017

**President's Honor Roll:** DCCCD     Fall 2013 – Spring 2015

**Phi Theta Kappa Scholarship:** UTD     Spring 2015, 2016, 2017