# Arturo Villalobos Jr

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## SKILLS AND CERTIFICATIONS

- C++, Java, Python 3+, R, Javascript, HTML, CSS, React.js, Node.js, SQL, AWS, Machine Learning
- Platforms and Tools: Git Version Control, VScode, Xcode, Adobe Illustrator, Unreal Engine 4, Blender
- AWS Certified Cloud Practitioner Certification | Issued June 2020- Expires June 2023
- Languages: English-Native, Spanish-Native, Portuguese-Beginner

## WORK EXPERIENCE

**Software Developer, Classic Canvas Company, San Antonio, TX.**　　　　　　　**Feb 2023 - Present**
- Develop internal automation tools and web interface using React, Python, and AWS to increased social media presence and activity without allocating more resources to marketing.
- Create and maintain SOPs detailing tools that where used, specific system design decisions, and other information.

**Web Developer, Blyss Dating (**Remote)　　　　　　　　　　　　　　　　　**Mar 2023 - Present**
- Develop and deploy a highly scalable and maintainable business website using React/Next.js, Tailwind CSS and AWS.
- Integrate a headless content management system (CMS) for Blyss news room and blog capabilities with GraphQL, giving other team members the ability to add content.
- Ensure that the website was viewable and performant on different mobile devices and browsers.

**Cloud Solutions Architect Internship, University Lands, Houston, TX**　　　　**May 2020 - Aug 2020**
- Developed and deployed sever-less lambda functions in python on the AWS cloud that automates the extraction of data from Drilling and Completion reports coming from oil wells in the Permian Basin.
- Built architecture used by chemical and mechanical engineers to build type curves and facilitate cost analysis of current wells

**Peer Teacher, Texas A&M College of Engineering, College Station, TX.**　　　**Aug 2020 - Dec 2021**
- Tutored undergraduate and graduate students enrolled in Computer Science and Engineering courses in both remote and in-person.
- Taught the following courses: Data Structures and Algorithms , Introduction to Computing, Computer Organizations, Discrete Mathematics, and Linear Algebra under professor supervision

## EDUCATION

**Texas A&M University**　　　　　　　　　　　　　　　　　　　　　　　**College Station, TX**
Bachelor of Arts Computer Science　　　　　　　　　　　　　　　　　　　Graduated Dec 2022
Minor in Statistics

## PROJECTS

**Juego** *- Lead Developer - React Web App*　　　　　　　　　　　　　　　　**Nov - Dec 2021**
- Led a team of developers to launch a social network platform that connected users with similar interests with respect to video games and other media using a PostgreSQL database, React framework, and Node.JS backend.
- Using an agile development methodology I set targets, tracked progress, and delivered our working product.

**Olympic Index** *- Co-Developer - Design Project*　　　　　　　　　　　　　　**Sep - Dec 2021**
- Developed a responsive, design focused, data visualization project with React.js, D3.js, and Python to explore historical olympic data with a variety of charts, each highlighting different aspects of the data to reveal underlying and interesting patterns.

**Market Dash** *- Co-Developer - Video Game*　　　　　　　　　　　　　　　**Mar - Apr 2020**
- Developed a game in C++ inside Unreal Engine 4 incorporating concepts and ideas like object oriented design, graphic design, planning, and testing.