Pierce de Jong

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EDUCATION

UNIVERSITY OF CALGARY | BS Computer Science   Calgary, AB | Sep 2015 - Dec 2020 (Anticipated Graduation)

WORK EXPERIENCE

SPARTAN CONTROLS | Automation Specialist   Calgary, AB | Jul 2019 – Present
- Developed a license key generator to connect hardware and software
- Designed an algorithm to make different license keys unlocking specific features of the hardware
- Produced a flexible UI framework for other departments to adapt to their products
- Created a JUnit test suite for millions of possible key combinations
- Built SCADA screens for Oil and Gas data analytics

BETO FOR TEXAS U.S. SENATE CAMPAIGN | Field Organizer   Dallas, TX | Aug 2018 – Nov 2018
- Managed Plano Campaign Headquarters; supervised 3 volunteer led field offices, coordinated upwards of 50 volunteers at a time
- Responsible for reaching out to voters through technology and face-to-face contact

SPARTAN CONTROLS | Technical Sales Specialist   Calgary, AB | May 2018 – Aug 2018
- Developed Android app to communicate with oil and gas sensors in the field, removing the need to bring a laptop to gather data and run diagnostics
- Used DNP3 protocol to connect to the sensor over WIFI

THREATCARE | Software Engineer   Austin, TX | May 2017 – Jul 2017
- Built a Two-Factor Authentication system
- Created website white-list and black-list online tests
- Assisted in migrating and redesigning the website to a new platform

SKILL & CORE COMPETENCIES

Programming Languages	Java, Ruby on Rails, JavaScript, Python, HTML, CSS
Software & Tools	Git, Heroku, Eclipse, JUnit, PostgreSQL, Bootstrap, jQuery
Project Management	Worked as a Production Assistant on the set of Fortunate Sons. Managed and locked down the set during filming.
Flexibility	Produced and delivered an education lesson for elementary age children in rural Honduras covering basic hygiene over one week with the non-profit, M.E.D.I.C.O.

PROJECTS

GAME OF THRONES DEATH POOL   https://whitewalker.herokuapp.com/
Created and ran a ninety-two person betting pool for the final season of Game of Thrones. Each person created a prediction for who would live and die by the end of the season along with answering weekly plot specific questions.

AXIS AND ALLIES ONLINE   https://aaaeconomy.herokuapp.com/
Designed a website that manages and tracks the economies, objectives, and research of the nations in the board game Axis and Allies. Along with a "battle calculator" that runs tens of thousands of simulations on any possible number of inputs.