

LUKE PIERCE

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SOFTWARE ENGINEER

Experienced and disciplined software engineer skilled in front-end design, full-stack development, and web applications. Leverages industry knowledge building custom software solutions to meet company and client needs. Industrious collaborator applying creative, analytical, and communication skills to add value in every project.

CORE COMPETENCIES

Software Engineering • Front-end Development • Coding • Software Development Lifecycle • Electrical Engineering
Custom Software • Programming Language Research • Team Collaboration • Data Analysis and Visualization • Full Stack
Web Applications • Agile Processes • Database Management • Written and Verbal Communication • Algorithms

EXPERIENCE

- | | | |
|--------------------|---|-----------------------------|
| 2/2021-
Present | DSOFT TECHNOLOGY, ENGINEERING, & ANALYSIS
Staff Consultant | COLORADO SPRINGS, CO |
| | <ul style="list-style-type: none">• Responsible for full stack software development for a web application used by Air Force Space Command to track and display large data sets. By utilizing the following technologies, AngularJS, JavaScript, Java, MySQL, Gradle, Docker, Kubernetes, HTML, and CSS, new features are implemented, bugs are corrected, and the website is deployed and tested via AWS.• Responsible for meetings periodically as a Scrum Master by leading stand-up, retrospectives, back-log grooming sessions, and sprint demonstrations by using JIRA to organize these events | |
| 5/2019-
01/2021 | RAYTHEON TECHNOLOGIES
Software Engineer | AURORA, CO |
| | <ul style="list-style-type: none">• Create custom client software solutions focused on JavaScript and front-end development.• Mentor software engineer team members on front-end development tools and best practices.• Identify and address problem areas through comprehensive testing and analysis of project systems flow, data usage, and work processes. Followed software development lifecycle to ensure completion of client deliverable.• Obtained TS/SCI clearance to expand eligibility for client project work base. <p><i>Select Achievements</i></p> <ul style="list-style-type: none">• Met company goal of 85% biweekly project completion rate by applying diligence and attention to detail.• Received high performance rating due to collaborative work on front-end development tasks. | |
| 5/2018-
5/2019 | VORTEK INSTRUMENTS, LLC
Electrical Engineer Intern | LONGMONT, CO |
| | <ul style="list-style-type: none">• Assigned software development project by management to develop a modbus web program in NodeJS.• Enabled the functionality of existing simulator programs originally written in C++ to work with NodeJS V8 engine on web applications.• Modernized and optimized existing, outdated web application utilizing netburner device. | |
| 5/2017-
3/2018 | DIGIQUATICS
Software Development Intern | LAKEWOOD, CO |
| | <ul style="list-style-type: none">• Utilized web development programs as Full Stack developer for start-up software companies. Collaborated on building company software framework and user databases.• Developed new features for existing web applications, improved existing features, and ensured proper application functionality by performing thorough testing. | |

2018

EDUCATION

GOLDEN, CO

COLORADO SCHOOL OF MINES

Bachelor of Science, Electrical Engineering (GPA 3.76) *magna cum laude*

Dean's List, Spring 2017

Awarded Outstanding Graduating Senior Award

Select Projects

- Antenna Glasses - Worked with Ball Aerospace and team to design glasses with embedded dipole antenna. Frame developed in SolidWorks, antenna in HFSS, 3D printed at UTEP, and tested at Ball facility.
- The Ideal Solar Cell - Developed program in Matlab to simulate solar cell sunlight conversion to solar energy in order to determine solutions and improve its efficiency.

SELECT PROJECTS

- GreetBox - www.greetbox.co
 - Built using Next.js, Tailwind CSS, and Ruby on Rails
 - Users can share group-based greeting cards with family, friends, and co-workers. Customize each message with fun GIFs, photos/videos, and gift cards
 - GreetBox Cards can be shared instantly by sharing a simple link
- SpeedyNote - www.speedynote.app
 - Built using Next.js, Tailwind CSS, and Ruby on Rails.
 - Allows user to create simple, sharable notes created temporarily or encrypted with a password.
 - Designed for ease of use, efficiency, and power.
- Portfolio Website - www.lukepierce.dev
 - Developed personal portfolio website describing past experiences, about me, and personal projects.
 - Built using Next.js to allow for seamless page routing layout, Chakra UI to design and style all pages, and Vercel to host site routed to a Google domain.

PROFESSIONAL DEVELOPMENT

- Responsive Web Design
- Javascript Algorithms and Data Structures
- Front-end Libraries
- Data Visualization
- APIs and Microservices

TECHNICAL

C++ • C • ReactJS • Javascript • HTML • NodeJS • HFSS • Verilog HDL • Python • Matlab • Php • MySQL • Ruby and Rails • Microsoft Office Suite • IntelliJ • Eclipse • Next.js • Vercel • Tailwind CSS • Docker • Gradle • Cesium