

Jack X. Britton

Software Engineer

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EDUCATION

- **University of Maine** Orono, ME
B.S. in Computer Engineering; Minor in Math; GPA: 3.70/4.00 2015 - 2019

EXPERIENCE

- **HUMAN (humansecurity.com)** New York, NY
Software Engineer 2019 - Present
 - **Fastly Product Integration for Application Integrity:** The HUMAN Fastly integration for Application Integrity is a Fastly Wasm service that stops bots on the web. Rust.
 - **Android Fraud Pipeline:** Downloads and statically analyzes Android apps. This data is consumed by the Detection team at HUMAN. I have worked full-time on the project since its infancy, and two years later, it processes more than 8,000 apps per day. Apache Airflow, Snowflake, S3, SQS, DynamoDB, Python3.
 - **Streaming Decision Platform:** Processes messages from HUMAN's bot decision engine for use in web analytics platforms like Google and Adobe Analytics. I led the design and engineering phase of this project, with valuable support and feedback from my team. Benthos, Kafka, Go, Python3.
 - **Docker Town:** Docker Town launches automated staging environments for the Dashboard team at HUMAN. I created Docker Town as an intern at HUMAN, and it has been in regular use by the Dashboard team ever since. GitLab, Docker, Go.
- **Medsender** New York, NY
Software Engineering Intern 2018 - 2019
 - **Windows Client:** The Medsender Windows client connects healthcare workers with Medsender's EMR system. JavaScript, C++, the Microsoft Win32 API.
 - **EMR Service:** Pipeline for processing medical records. MySQL, Redis, Go.
- **Advanced Structures & Composites Center** Orono, ME
Student Web Developer 2016 - 2018
 - **MyComposites:** MyComposites is used internally at the Composites Center to track employee hours and manage expenses. PHP, JavaScript, MySQL.
 - **MyComposites Mobile:** MyComposites Mobile is a mobile interface to MyComposites. React Native.
- **SEANET Lab** Orono, ME
Research Assistant 2017 - 2018
 - **OpenFOAM:** OpenFOAM is an open source computational fluid dynamics toolbox written in C++. In this role, I helped port graduate students' MATLAB scripts to OpenFOAM applications.
- **Kepware Technologies** Portland, ME
Software Engineering Intern 2017
 - **OPC UA QuickClient:** The OPC UA QuickClient is a tool for testing implementations of the OPC UA protocol. A team of interns (myself included) designed and developed the QuickClient over the summer of 2017.

AWARDS AND CERTIFICATES

- **Kepware Technologies Scholarship** PTC
Recognizes excellence in engineering. 2018
- **2nd Place in GDG Bronx 2018 Hackathon** Google Developer Group
See github.com/jackxbritton/hn-reddit-actions-on-google. 2018
- **Information Technology Scholarship** MTUG - Systems Engineering
Recognizes excellence in an IT-oriented field. 2017
- **Certificate in Machine Learning** Coursera
Recognizes completion of Stanford University's 12-week "Machine Learning" course. 96.5%. 2016