

# John Roy

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## BROWN UNIVERSITY CS STUDENT / DEVELOPER

Developing user-centric applications from front to back and creating sophisticated solutions to complex problems

*Problem-solver, Self-starter, Learns programming languages quickly*

For projects go to <http://www.johnkroy.com>

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## LANGUAGES (TO DATE)

Python  
Java  
JavaScript

CSS  
HTML  
OCaml  
C

Scala  
MATLAB  
LabVIEW (Visual)

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## SKILLS

### FRONT-END

React, JavaScript, React Native, CSS,  
HTML, jQuery, D3

### DESIGN

Illustrator, Photoshop, After Effects, Adobe  
XD, Balsamiq

### BACK-END

MongoDB, Firebase, PostgreSQL, Azure,  
Node.js, MySQL, Express, Socket.io

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## PROFESSIONAL EXPERIENCE

HAMMEX HAWAII Corp., *San Diego, CA*

**SUMMER INTERN** (June 2016—August 2016)

Designed and created an ecommerce website. Managed product storage, sourcing, and distribution.

UC Santa Cruz, *Santa Cruz, CA*.

**SUMMER INTERN** (June 2017—August 2017)

Managed / programmed serial communications between sample-introduction and mass spectrometry systems. Programmed connections between computing systems and research instruments using LabVIEW

Optec Laser Systems, *Frameries, BELGIUM*.

**WEB DEVELOPMENT INTERN** (December 2018—February 2019)

Created a product-specific website for the market release of Sentinel - predictive analytics software. Designed a user-centric UI for the Sentinel mobile app.

Nordson Corporation, *San Diego, CA*.

**SOFTWARE ENGINEERING INTERN** (June 2019—August 2019)

Created experimental augmented reality experiences to explore use in assembly processes. Lead a team of 4 in creating an IoT system to track completion of certain automated manufacturing processes and to collect data to improve a machine learning initiative.

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## EDUCATION

**Brown University**, Rhode Island, RI.

Bachelor of Science in Computer Science; anticipated in May 2022

Current GPA: 3.88