

# HENRY HEIN

FULL-STACK DEVELOPER

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Remote EU/Asia Timezone

www.github.com/henry-hein

henryhein.netlify.app

## PROFILE

I'm electronics engineer from Canada with four years of experience seeking a full-time **Full-Stack Developer** position to extend my knowledge as a lifelong engineer. To help learn new technologies, I built a portfolio of projects using various web languages, which can be seen in the website above.

## SKILLS

- HTML5 / CSS
- React.js
- Git
- Next.js
- Ether.js
- Javascript / JQuery
- RESTful API
- GraphQL / Apollo
- Solidity
- Hardhat
- NodeJS / ExpressJS / MongoDB
- Bootstrap
- Mobile Responsive Design
- Windows, Mac, Linux OS
- Defi, Trading, NFTs, and DAOs

## EDUCATION

### Bachelor of Applied Science, Electronics Engineering

Simon Fraser University / Burnaby

Sep 2012 - Dec 2017

## WORK EXPERIENCE

### Front End Developer

Remote

BlueCol / Jan 2022 - Present

Working as a contractor to design and develop B2B invoicing SaaS web app that consists of React, Next.js, Apollo, GraphQL, KeystoneJS, and Git.

- Wireframing, designing, and programming mobile responsive UI/UX of the application while maintaining brand consistency
- Refactored code to improve readability and created reusable components for faster development in Next.js
- Wrote GraphQL queries and mutations to create API that interacts with client-side code

### Full-Stack End Web Development

Vancouver, Canada

Self-Learning / Aug 2021 - Present

Currently teaching myself how to program websites in HTML, CSS, JS, NodeJS, ExpressJS, MongoDB, and React. As well as continuous development via Heroku, Git, and, Netlify.

- Created React mobile responsive League of Legend Champion List web app that pulls data from their API and has search, filter, and carousel functionalities
- Designed and built mobile responsive currency converter that interacts with open source API using React, Bootstrap, CSS, Heroku cloud, and Git
- Created Full-Stack restaurant directory with Login/Logout, Auth, Password reset, and edit individual stores using NodeJS, ExpressJS, and MongoDB

WORK EXPERIENCE

Facilities Service Clerk

Vancouver, Canada

Simon Fraser University / Jan 2019 - Dec 2021

Working as part of SFU Surrey Facilities Team to ensure campuses operate smoothly.

- Employed teamwork, problem solving, and analysis skills to handle maintenance requests such as fixing leaks, broken doors, and hanging white boards
- Provided excellent customer service to internal SFU staffs and ensured all requests were handled in timely and respectful manner

Electronic Test Engineer

Vancouver, Canada

Innovative Circuit Technology / Jan 2018 - Dec 2018

Worked as part of R&D Team, responsible for procurement, assembly, testing, documentations, and debugging power electronic systems, which lead to company savings of \$100,000 in six months.

- Created test plans, performed tests, and documented findings for magnetics for power converter systems, which decreased core temperature by 5°C
- Communicated supply chain, manufacturers, engineers, and technicians and components arrived early by average of 1 week
- Debugged and tested new high-power converter under supervision to execute test plans and created test jig that reduced setup time by 10 minutes each test

Hardware Test Engineer

Vancouver, Canada

TRIUMF / Sep 2016 - Dec 2017

Worked as part of Beamline Diagnostics Team, responsible for procurement, assembly, testing, SPICE simulation, documentations, and debugging beamline electronics.

- Diagnosed, and repaired electronic circuits, assembled mechanical casings, and created cable harnesses which improved assembly time by 5 minutes per unit
- Communicated with PCB manufacturers, component suppliers, and team members to ensure all specifications and components arrived early by average of 4 days

Embedded Systems Integrator

Vancouver, Canada

LineSpect / Sep 2015 - Apr 2015

Work at a start-up company in prototyping hexcopter that inspects faults in power line. Was in charge of integrating, troubleshooting, and designing sensor electronics that reads EMF info from power lines

- Characterized Signal to Noise ratio of Ultrasound and Ultraviolet sensors and designed circuits that improved Signal to Noise ratio each sensor by 10%
- Designed and Integrated motors, sensors, antennas, and lithium battery that reduced weight of hexcopter by 10%, which improved flight time by 5%

INTERESTS

- Travelling
- Cooking
- Basketball
- Soccer
- Hiking
- Kick Boxing