

# Kevin (Kefan) Peng

Integrated Engineering

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## TECHNICAL SKILLS

### Languages:

Javascript, Java, Python, C, HTML, CSS

### Technologies:

React, MongoDB, Node.js, Express.js, Bootstrap, Git, RESTful APIs, jQuery

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## WORK EXPERIENCE

### VCL Web Framework - Software Developer

May 2020 - Present

- Software developer at the UBC Visual Cognition Labs to develop the Javascript/Node.js web framework for running online psychology experiments.
- Implemented framework-wide features such as routing and middleware refactors, UI improvements, and dynamic experiment timeline generation algorithms.
- Wrote framework documentation for new member onboarding and led onboarding meetings.

## TECHNICAL PROJECTS

### Overlap Project - Technical Lead (<https://github.com/IGEN330-Overlap/Overlap>)

Sept. 2020 - Present

- Led weekly sprint meetings and implemented standup slides to improve team communication and foster accountability.
- Created end goals for the team, and delegated short term tasks to create meaningful milestones.
- Developed both frontend and backend features for the project using the MERN stack, and guided developers through technical issues and challenges.

### Shoppie (<https://shoppie.herokuapp.com/>)

May 2020 - Dec. 2020

- Utilized MongoDB, Express.js, React, and Node.js in addition to the Gmail API to catalogue and sort ongoing sales from various brands.
- Designed modular React components using MaterialUI and CSS.
- Implemented backend REST API routes and middleware using Express.js, and designed MongoDB data models to store sale and company data.

### Bulletine Website (<https://bulletinedigital.com/>)

June 2020 - Sept. 2020

- Designed iteratively with frequent client feedback sessions with a focus on user-friendly navigation and website responsiveness.
- Developed website with HTML/CSS/JS in addition to SASS and jQuery.

### Health Tracker App (<https://github.com/KevinetPeng/HealthTracker2.0>)

Dec. 2019 - Apr. 2020

- Utilized Java to develop a desktop app that aggregates user input for mental health, physical health, and overall happiness to track health over a long period of time.
- UI developed using MVC framework JavaFX along with CSS styling.
- Implemented create, update, and delete operations for persistent local data storage in the form of JSON objects.

### Personal Portfolio (<https://kevinetpeng.github.io/Personal-Portfolio/>)

Nov. 2020 - Jan. 2021

- Designed and implemented a personal portfolio website from scratch.
- Developed using vanilla HTML/CSS/JavaScript in addition to the Bootstrap library, and created responsive mobile breakpoints.

## OTHER WORK EXPERIENCE

### Self Employment - *Guitar Teacher*

Sept. 2016 - May. 2018

- Taught guitar technical skills and fundamental music theory to elementary school students for two years
- Designed and organized custom lessons to make learning interactive and fun for the students
- Taught technical skills and theoretical knowledge in an engaging manner catered towards the student's learning style

### STRIDE Management - *Call Center Operator*

Jan. 2018 - May. 2018

- Corresponded with a diverse customer base to place charity lottery orders
- Coordinated and solved potential order problems in a fast-paced and organized manner

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## VOLUNTEERING EXPERIENCE

### Multidisciplinary Undergraduate Research Conference - *Event Runner*

Mar. 2019

- Organized and hosted research presentations for undergraduate research presenters to a panel of judges
- Maintained a strict presentation schedule to ensure an organized environment for guests and presenters

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## EDUCATION

### University of British Columbia - *Bachelor of Applied Science*

2018 - Present

- Integrated Engineering is a multidisciplinary engineering stream focused on design, project management, and entrepreneurship
- Majoring in Computer Engineering, and minoring in Electrical Engineering

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## AWARDS AND ACHIEVEMENTS

- Trek Excellence Scholarship for top 5% of undergraduate year
- Paul Robertson Scholarship
- Alexander Rutherford Scholarship for academic excellence
- Rutherford Scholars Award for achieving top 10 in Alberta diploma exams
- UBC Dean's Honour List (Cumulative GPA: 91%)