






# Jacob Cuke

Programmer/Web Developer

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 [LinkedIn](#)  
 [GitHub](#)  
 [Personal Website](#)

## PROJECTS

### Portfolio Website - [jacobcuke.com](http://jacobcuke.com)

- **Challenge:** Seamlessly change the text from English to Japanese without reloading
- **Solution:** Store the text for all components in both languages in a JSON object, fire an onClick event to switch between them
- **Challenge:** Fade in each section as the user scrolls
- **Solution:** Use the Intersection Observer API to fire a callback that fades in the element when a section intersects the viewport

### High School Portal - [Live Site](#)

- CRUD application and API for managing a high school database
- **Challenge:** Authorize API requests
- **Solution:** Have Django generate a secret token for each user, provide it when users send valid credentials to a login endpoint
- 29 API [endpoints](#), 15 SQL [tables](#)

### MySouko - [Live Site](#)

- CRUD application to keep track of Japanese media that I consume
- **Challenge:** Clicking “In Progress” changes the status to “Completed” without reloading and vice versa
- **Solution:** Fire an Ajax call to a different page with a controller whose sole job is to alternate the status and save to the database
- **Challenge:** After setting status to completed, set the “Date Completed” to today’s date relative to the user’s timezone
- **Solution:** Pass in the user’s timezone offset as a URL parameter, add it to the server time in the controller before saving

## WORK EXPERIENCE

### Centre Street Church — Full Stack Web Developer

APRIL 2021 - PRESENT

- Managing internal website and database
- Creating architecture on the back end to store data
- Querying data and rendering it on the front end
- Project lead for new external website development
- HTML, CSS, JavaScript, jQuery, Microsoft SQL, ASP.NET

## TECHNICAL SKILLS

HTML/CSS/JavaScript  
Java/Python/C/C++  
Full Stack Development  
Relational Databases (SQL)  
Git/GitHub  
Linux

## LANGUAGES

English (Native)  
Japanese (Fluent)

## EDUCATION

University of Calgary  
BSc in Computer Science  
SEPTEMBER 2016 - MAY 2021  
GPA: 3.88

Senshu University,  
Japan  
Study Abroad  
MAY 2018 - AUGUST 2018,  
SEPTEMBER 2019 - MARCH 2020

### Areas of Study:

Computer Science  
Japanese Language