

# Antonio Santos

JUNIOR SOFTWARE DEVELOPER

Calgary, AB, Canada

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## Education

### Schulich School of Engineering, University of Calgary

Calgary, Canada

BACHELOR'S OF SCIENCE IN SOFTWARE ENGINEERING

Sept. 2017 - May 2022

- GPA: 3.5/4.0, Dean's List
- Relevant Coursework: Linear Algebra, Data Structures and Algorithms, Database Management Systems, Principles of Software Design, Principles of Operating Systems, Computer Networks, Software Architecture, Human-Computer Interactions, Big Data Analysis, Web-Based Systems

## Experience

### WestJet with UCalgary - <https://engineeringdesignfair.ucalgary.ca/software/flightduck>

Calgary, Canada

LEAD BACKEND DEVELOPER

Sept. 2021 - May 2022

- Software engineering capstone project, sponsored by WestJet in partnership with the University of Calgary.
- Built a flight recommendation system and flight history tracker in **JavaScript and Hapi.js** for the use of WestJet customers.
- Integrated the services with WestJet's commercial APIs and used **Vue and Storybook** to help visualize the data and the prototype.

### Chata

Calgary, Canada

BACKEND SOFTWARE DEVELOPER INTERN

May 2020 - Aug. 2021

- Participated in the entire application life-cycle, from design to deployment, with focus on implementation, testing and troubleshooting.
- Improved the company's business trajectory by building and maintaining a brand new AutoQL demo application in **Java, SpringBoot and PostgreSQL**.
- Increased the efficacy of company workflows by designing and implementing high performance and scalable **microservices and API's** to automate several internal pipelines in **Python and Flask**.
- Collaborated with Frontend developers to efficiently integrate various systems and expedite the deployment of services.

## Projects

### peachAt - <https://github.com/antondotio/peachAt>

TECH STACK: **JAVASCRIPT, EXPRESS, REACT, CSS/SASS, SOCKET.IO**

- A messenger app where you can join, choose a nickname and color, and talk with friends. Responsive to both web and mobile medias.
- Uses JavaScript, Express and Socket.io in the back end to perform the logic and send messages to clients. The front end is written in React in a bright, peachy color scheme.

### Competl - <https://competl.vercel.app/>

TECH STACK: **JAVASCRIPT, REACT, NEXTJS, MONGODB**

- A Wordle clone that adds an extra layer of competitiveness with the use of a timer and a leaderboard that refreshes every day.
- Implemented the entire frontend components as well as the functionality of each tile and word guessing.

### Virtual Realty - <https://github.com/antondotio/VirtualRealty>

TECH STACK: **C#, WPF**

- A web app that simulates an online real estate website where users can an in depth search system to discover, view and favorite home listings.
- Has significant focus on user experience, user interaction, and interface design.
- Responsible for building the logic behind the entire search feature of the system in C#, as well as its design

### UniversiTea - <https://github.com/antondotio/UniversiTea>

TECH STACK: **JAVASCRIPT, VUE, MYSQL, AXIOS**

- A social media platform for university students to make public or anonymous posts on dedicated school forum pages.
- Implements several software architecture patterns like MVC and microservices to improve code base organization complexity, as well as Event Sourcing and CQRS to manage data.

## Skills

**Languages** Java, Python, JavaScript, C, C++, C#, SQL, HTML5, SASS, CSS

**Frameworks** SpringBoot, Flask, Axios, React, Vue, Node.js, Hapi.js, Express.js, Flutter, Socket.io, WPF