Kai Kovacik

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♦ PROFESSIONAL SUMMARY ♦

A third year Comp. Sci. student at the University of Victoria, eager to learn new skills, share insights, meet other great developers, and broaden my abilities. Having a solid understanding and experience working with Data Structures and both functional and OO algorithms, I have contributed in the construction of a cube-satellite's operating system, funded by the CSA, and I have developed small websites using CSS, HTML, and Javascript. I am familiar with relevant technologies such as React, jQuery and MySQL, and I'm at home with many languages and technologies such as Java, Python, C, C++, Ruby, SML, and more. I have a solid understanding of many relevant programming paradigms and am always open to new languages.

♦ EXPERIENCE ♦

CSA 2u CubeSat Design — *UVic Satellite Design*
(March 2018 - Present)

An extension of Homathko, executing the same task. With a $200,000 grant from the CSA and a guaranteed launch from the ISS. Working on the team designing the on-board-computer system (both software and hardware). www.uvsd.com

- Using technologies such as HalcoGen, Code Composer Studio, Eclipse, Jira, and Slack
- Employing C for OS construction

Homathko Satellite Design — *UVic Satellite Design*
(January 2018 - Present)

A student-run project to design a 3u CubeSat that will service observatories by providing a light of known intensity from orbit; this will allow for correction of atmospheric disturbances. Working on the team designing the on-board-computer system (both software and hardware). www.uvsd.com, www.ecosat.ca/homathko/

- Using technologies such as HalcoGen, Code Composer Studio, Eclipse, Jira, and Slack
- Employing C and Python for OS construction and Scripting

Lifeguard and Swim Instructor — *Seaparc Leisure Complex, Sooke BC*
(December 2015 - July 2017)

Worked as a lifeguard and swim instructor for several years. Taught me how to work efficiently as a team in both stressful and non-stressful situations as well as how to structure and manage effective lessons.

- Worked in intense team-oriented situations
- Structured and taught lessons

School District no. 62 Tech Committee — EMCS Student Rep.
(January 2014 - June 2014)

Represented the student population of EMCS in the Technology Committee of SD62, consisting of members from the administrative board and other schools.

- Sat on the board of representatives
- Discussed with the school district administrators and principles of various schools

♦ AWARDS AND ACCOMPLISHMENTS ♦

- **PJ Music Overall Award:** One of three music students to receive the highest award from PJ Music Studios for musical accomplishment **(June 2019)**

- **PJ Music Festival Most Promising Composer For Age:** Won the award for my composition *A Flower in Amber*.

- **Website Design:** Designed and built my website *kaikovacik.com* using HTML and CSS **(July 2018)**

- **"Front End Web Development" Track:** Completed on Team Treehouse *(June 2018)*

- **"Beginning Javascript" Track:** Completed on Team Treehouse *(May 2018)*

- **Certificate of Merit:** Honour Roll at EMCS *(June 2016)*

- **Academic Excellence Award:** Excellence in Calculus 12 and Physics 12 at EMCS *(June 2016)*

- **English 12 AP Award:** Outstanding Senior in English *(June 2016)*

- **Quinnlyn Noah Stamford Memorial Award:** Senior Musicianship Award at PJ Music Studios *(June 2015 and June 2016)*

- ***Dual Dogwood Diploma:*** Diploma awarded for continuous bilingual studies in French and English.

♦ SKILLS ♦

- Java, C, Python, Ruby, Racket, HTML, Javascript, CSS, C++, SML, SQL, ARM Assembly
- Teamwork and leadership
- HALCogen
- Eclipse, VScode, Code Composer Studio
- Windows, Mac, Ubuntu GNOME
- Unix command-line, Git
- Sony Vegas
- Microsoft Office

♦ EDUCATION ♦

University of Victoria, Victoria, BC, Canada — *B.Sc. (Comp. Sci.)*

September 2016 - April 2020

In the process of earning a degree in computer science.

EMCS, Sooke, BC, Canada — *Dogwood Diploma*

September 2012 - June 2016

Completed dogwood diploma at Edward Milne Community School in French Immersion.