

Kai Kovacic

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◆ PROFESSIONAL SUMMARY ◆

A Comp. Sci. student at the University of Victoria with a vast desire to learn new skills, share insights, meet other great developers, and broaden my skills. I have worked on satellites funded by the CSA, building operating systems with C, and developed websites using CSS, HTML, Javascript, React, and Golang. I am comfortable with many languages such as Java, Python, C, and C++ (as well as the previously mentioned web-dev languages) and can learn new ones very quickly. I am experienced with Git and Command-Line and I am excellent at debugging

- Completed the “Front End Web Development” Track on Team Treehouse
- Completed the “Beginning Javascript” Track on Team Treehouse
- Working Through the “Learn React” Track on Team Treehouse
- 3rd year Student of Computer Science

◆ PROFESSIONAL WORK EXPERIENCE AND PROJECTS ◆

Website Design — *Personal Websites*

(June 2018 - Present)

Working on several non-commercial websites from scratch for other people.

- Employing React, Javascript, HTML, and CSS for front-end
- Employing Golang and Node.js for back-end

Guest Lecturer — Computer Science Presenter

(June 2018 - Present)

Talking in various first-year Computer Science classes about embedded systems, operating system construction, and error handling and detection.

- Created presentations and presented in front of an audience
- Helped increase recruitment for UVSD (Uvic Satellite Design)

CSA 2u CubeSat Design — *On-Board Computer System*

(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 — *On-Board Computer System*

(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

CS Tutor — *Private Computer Science Tutoring*

(January 2018 - April 2018)

Tutored several people in software development for various computer science classes.

- Tutored Java, Python, and C
- Helped struggling students get good grades

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 ◆

- **“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, HTML, Javascript, CSS, and C++
- Teamwork and leadership
- Assembly
- React and Golang
- HALCogen
- Eclipse and Code Composer Studio
- Windows Mac and Unix
- Command Line and Git
- Graphic design
- 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.

◆ REFERENCES ◆

Jennifer Gruno

Former Department Head at EMCS

Box 1010

Sooke, BC, V9Z 1J1

(250) 642-5211

Dean Baldwin

Department Head of Mathematics at EMCS

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Mike Smirl

Assistant Director at PJ Music Studios

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