

ETHAN POSNER

Software Developer

[linkedin.com/in/ethanposner/](https://www.linkedin.com/in/ethanposner/)

github.com/enprogames

ethanposner.com

OBJECTIVE

SECURE A FULL-TIME SOFTWARE DEVELOPER CO-OP POSITION FOR THE SUMMER OF 2024. THIS WOULD ALLOW ME TO LEARN AND EXPAND MY SKILLS, AS WELL AS UTILIZE MY SKILLS AND ABILITIES GAINED THROUGH SCHOOL AND WORK.

HIGHLIGHTS

- DEVELOPED FULLY FLEDGED PHP FORUM WEBSITE FOR A SCHOOL PROJECT.
- FORMAL EDUCATION AND EXPERIENCE IN MANAGING SOFTWARE PROJECTS: REQUIREMENTS, DESIGN, IMPLEMENTATION, TESTING, AND MAINTENANCE.
- SUCCESSFULLY IMPLEMENTED SEVERAL COMPLEX SOFTWARE PROJECTS WHICH REQUIRED QUICKLY LEARNING NEW TOOLS.
- STRONG KNOWLEDGE AND INTEREST IN ALGORITHMS.
- EDUCATION AND EXPERIENCE WITH IMPLEMENTING SYSTEMS USING OBJECT-ORIENTED DESIGN.
- WORK EXPERIENCE AND EDUCATION IN MANAGING SOURCE CONTROL FOR LARGE PROJECTS USING GIT.

PROJECTS

Bitcoin Tracing Research

- UNDERGRADUATE RESEARCH PROJECT WHICH INVOLVED USING GRAPH DATABASE TO VIEW FLOW OF BITCOIN FUNDS THROUGHOUT TIME.

Tekku - PHP Forum Website

- CREATED FULLY WORKING L.A.M.P. STACK FORUM WEBSITE USING PHP AND MYSQL, IN COLLABORATION WITH NICHOLAS HOPKINS AND SPENCER MUISE.

SQL-INJECTION EXAMPLE WEBSITE

- DEMONSTRATES HOW THE PREVALENT SQL INJECTION SECURITY VULNERABILITY IS USED AND CAN BE PROTECTED AGAINST.
- IMPLEMENTED USING FULLY-FLEDGED PYTHON/DJANGO WEB BACKEND WITH DATABASE AND USER AUTHENTICATION.

FLASHCARD TOOL

- IMPLEMENTED USING PYTHON AND TKINTER GRAPHICAL USER INTERFACE FRAMEWORK.
- USEFUL STUDY AID WHEN MEMORIZING TERMS AND DEFINITIONS.

EXPERIENCE

**SOFTWARE ENGINEER, RIVER CITY FUTURE TECHNOLOGIES LTD, CAMPBELL RIVER, BC
MAY- JULY 2021
MAY-JULY 2022**

- WORKED AS A LEAD DEVELOPER IN FAST-PACED, HIGH-PRESSURE ENVIRONMENT.
- DURING A PERIOD OF HIGH-PRESSURE, SUCCESSFULLY SETUP UP A DATABASE SYSTEM WITH A TWO-WEEK DEADLINE.
- SUCCESSFULLY LEARNED DOCKER, AND DEPLOYED WEB APPLICATION USING AMAZON WEB SERVICES WITHOUT PRIOR KNOWLEDGE.
- IMPLEMENTED A WEB APPLICATION USING THE PYTHON PROGRAMMING LANGUAGE AND THE DJANGO WEB FRAMEWORK THAT CONTINUES TO SERVE ITS PURPOSE TODAY.
- MODIFIED GRAPH ALGORITHM TO SUPPORT OUR USE CASE

**FULL STACK DEVELOPER, BYTEDECK LEARNING SOCIETY, REMOTE
MAY-AUGUST**

- WORKED ON EXISTING WEB APPLICATION, PROVIDING MAINTENANCE AND UPGRADES.
- SUCCESSFULLY WORKED IN A COMPLEX, COLLABORATIVE VERSION CONTROL ENVIRONMENT.
- IMPLEMENTED NEW FEATURES WHICH INVOLVED IN-DEPTH KNOWLEDGE OF CURRENT DATABASE, AS WELL AS CAREFUL MODIFICATIONS TO IT.

SKILLS

- C# (WPF, .NET Maui)
- GIT
- PYTHON (DJANGO)
- JAVA
- C++
- HTML/CSS/JS/PHP
- ORACLE DATABASE
- MYSQL
- SQLITE
- DOCKER
- AWS

REFERENCES: AVAILABLE UPON
REQUEST

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EDUCATION

B.SC. COMPUTER SCIENCE 4th YEAR
VANCOUVER ISLAND UNIVERSITY, NANAIMO, BC 2021-PRESENT

- MAINTAINED ABOVE 4.0 GPA IN ALL COURSES TO DATE.
- DEAN'S LIST

COMPUTER SCIENCE
NORTH ISLAND COLLEGE, CAMPBELL RIVER, BC 2020-2021

- DEAN'S LIST

EXTRA-CURRICULAR

SUSTAINABILITY AND POST-PANDEMIC RECOVERY COMPETITION,
TECHNATION, NANAIMO, BC
MARCH 2022

- DEVELOPED AND PRESENTED, AS A TEAM, THE IDEA OF REDUCING A BUILDING'S ENERGY USAGE THROUGH AUTOMATED WINDOW BLINDS; PLACED TOP 5 IN CANADA
- REQUIRED TO CREATE PRODUCT WHICH WOULD HELP MAKE WORK MORE SUSTAINABLE IN A POST-PANDEMIC WORLD
- THE WINDOW BLINDS FROM OUR IDEA COULD CONTROL THE AMOUNT OF SUNLIGHT COMING INTO A BUILDING TO EFFECTIVELY HEAT/COOL A BUILDING. THIS WOULD REDUCE THE COST OF HEATING AND AIR CONDITIONING.
- EFFECTIVELY PRESENTED OUR IDEA UNDER THE PRESSURE AND CONSTRAINTS OF THE SITUATION.

REFERENCES: AVAILABLE UPON
REQUEST