





NATHANIEL DRING

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Nathaniel Dring 
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OBJECTIVE

To begin a path leading to a career in Software Development by contributing my technical skills and knowledge to your team



EDUCATION

BSc (Computer Science Major, Business Minor) | University of Victoria

SEPTEMBER 2015 – PRESENT (GRADUATING APRIL 2020)

High School Diploma | Sullivan Heights Secondary School

SEPTEMBER 2010 – 2015

Honour Roll 2010 – 2015



SKILLS

Languages

- Java
- C++
- C
- Python
- SQL
- JavaScript
- AVR
- HTML and CSS

Software

- Git
- Visual Studio
- Eclipse
- **Microsoft Office**
- AutoCAD
- Salesforce
- TaxCycle
- ProFile

- Developed, implemented, and optimized various data structures and algorithms
- Programmed using object-oriented languages, such as **Java**, for coursework and projects
- Designed and queried databases using Microsoft Access and SQL
- Written programs for Arduino boards in AVR Assembly and **C**, using Atmel Studio
- Worked with cutting edge hardware, assembling custom PCs and configuring office networks
- Utilized **Microsoft Office** for 5+ years in a professional and educational environment
- Constructed a personal portfolio website using **JavaScript**, HTML, and CSS
- Analysed and prepared sensitive financial information for clients using TaxCycle and ProFile
- Coordinated deliveries and onsite safety meetings with team-members and project managers



TECHNICAL PROJECTS

Calculator

January, 2018

- Constructed using object-oriented programming, in Java, a functioning calculator with user interface
- Implemented an algorithm to convert infix expressions into postfix using a stack and tokenizer
- Created GUI using Swing

Hospital Emergency Triage

March, 2018

- Built a Triage system in java, used to manage patient data regarding injuries and illness
- Implemented a heap to sort and store data based on priority

Scrolling Message Device

November, 2018

- Utilized AVR Assembly language to display a scrolling custom message on an Arduino board LCD, applying pointers and interrupts to wrap the text around the screen
- Extended the scrolling application with modifiable speed and messages, controlled with analog buttons



EMPLOYMENT EXPERIENCE

Plumber | Rock Mechanical

2016 – 2018

- Shop work, roughing, finishing and sprinkler fitting

Systems Development Assistant/ Junior Accountant | Aylett Grant Tax

2014 – 2016

- Data entry, tax return prep, administrative tasks and IT support

Taekwondo Instructor/Coach/Referee | Canwest Taekwondo Academy

2010 – 2015

- Responsible for training youth and adult athletes in both technique and discipline / Coaching athletes in competition



INTERESTS AND ACTIVITIES

- **Playing Rugby** – Varsity athlete for UVic
- **Practicing Martial-Arts** – 1st degree Taekwondo black-belt and youth coach
- **Reading** – History, Business, and Literature Books



REFERENCES

Dale Zelter | Rock Mechanical Owner

Phone: 604-541-1315

Email: Dale@RockMechanical.com

Mostafa Rahimpour | CO-OP Coordinator

Phone: 250-472-5822

Email: mrahim@uvic.ca