Kelvin Filyk

kelvinfilyk@gmail.com
(250)-896-3289
Victoria, British Columbia
https://www.linkedin.com/in/kelvin-filyk-a16915137/
https://github.com/kelvinfilyk

Qualifications

- Versed in the programming languages C, C#, Java, SQL, Python, HTML, CSS, JavaScript, and x86.
- Experience developing both front and back-end systems.
- Versed in software requirements engineering methods and practices.
- Competent with programming AVR micro-controllers.
- Proficient with 2D and 3D graphics engines including Unity, Blender, and SketchUp.
- Experience with time-restricted project development both independently and collaboratively.
- Charming, cooperative and resourceful communicator with both clients and colleagues.
- Experienced in addressing and orienting large groups in a high-stress environment.
- Skill and passion for optimization, algorithms, mathematics, and low-level software development.

Education

University of Victoria,
Victoria, British Columbia
2013 – 2015:
- Began Bachelor of Science in Biology

2015 – Ongoing:
- Completing a Bachelor of Software Engineering

Work Experience

Startup Skool: Technical Manager
May 2017- September 2017, UVic and UBC
- Developed curriculum for teaching programming, math and computer science to high-school students.
- Led colleagues in teaching curriculum hands-on to a large group of students.
- Built web resources containing expanded lesson sets for student use.
- Optimized and performed changes on the company website.
- Created a data syncing application within the Google Cloud Platform for client data aggregation and analysis.
- Collaborated with MakerBot and the UVic Maker Lab to facilitate 3D-printing as an in-class activity.
- Worked with colleagues to build useful backend resources.

The Munchie Bar: Customer Service Representative
December 2013- January 2015, UVic Student Union Building
- Maintained a high level of support and communication with fellow staff.
- Provided excellent customer service through attentiveness and approachability.
- Excelled in multitasking and addressing a large groups of customers.
- Prepared specialty drinks and confectionaries.
- Cleaned and maintained a large area, including the cafe, lobby and cinema.
- Used a computer register and inventory system.

Steeps Tea House: Customer Service Representative
September 2012- May 2013, Steeps Teahouse
- Prepared novelty coffee and tea drinks for customers.
- Used a computer register and inventory system.
- Worked alone occasionally and was responsible for opening and closing the store.
- Performed register cash-in, cash-out, and daily deposits.
- Ordered specialty teas, merchandise and supplies for the shop.
- Maintained a cheery and relaxed demeanor with customers and staff.

- Cleaned and maintained the storefront.
- Prepared specialty vegan and vegetarian food items for customers.

Projects

Petri: A JavaScript application primarily used to evolve competitive neural networks. Machine learning is used to steer hundreds of bacteria-like robots through a dynamic environment, each equipped with multiple sensory inputs and a network of up to three hundred neurons allocated to each creature.

Cryptonaut: An RPG desktop game written using C# in Unity 5.5, which utilizes procedural dungeon generation to provide unique maps every game. Cryptonaut features dynamic lighting, multiple enemies with unique AI scripts, multiple items able to be equipped, and customizable terrain features.

Globetrot: A web app coded using the Babylon.js JavaScript library for procedural generation of 3D terrain maps. Globetrot utilizes the Perlin noise and Voronoi graph algorithms to generate a convincing set of geographical features. Polygons are then categorized based on elevation, slope, and moisture to add convincing detail.

Clubs

UVic GameDev Associate
February 2017- Ongoing, UVIC
- Worked with team members in a short time frame to complete a game for a contest entry.
- Delegated specific roles to teammates, coordinated development, resolved and avoided code conflicts using a high level of communication and organization.
- Used GitHub to organize, analyze, and merge scripts and components for projects.

Hobbies

Music, biking, hiking, camping, hydroponics, and coding.

References

Mike Tan
- Startup Skool Program Operations Director, (778)-960-0826, mike@startupskool.com

Heidi Sarrazin
- Tutoring Client, (250)-661-7741, heidi.sarrazin@gov.bc.ca

Cailin O'Hern
- Munchie Bar Supervisor, (250)-857-5820, cohern@uvic.ca

Greg Atkinson
- Munchie Bar Supervisor, (250)-813-1752, gregdatkinson@gmail.com