Job Posting:172248 - Position: F25 Software Developer (Computer Science Student / Intern) 172248B

Co-op Work Term Posted:	2025 - Fall
App Deadline	09/01/2025 11:59 PM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	08/27/2025 10:00 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Implant Genius
Address Line 1	113-3823 Henning Drive
City	Burnaby
Postal Code / Zip Code	V5C 6P3
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
<b> Job Title <b>	F25 Software Developer (Computer Science Student / Intern) 172248B
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	4 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	18.0 per hour for 0 Major List
Salary Range $	$18-23 / hour

Job Description

About Implant Genius™

Implant Genius is transforming digital dentistry with AI-powered tools for smile design, dental implants, and prosthesis planning. Our TX-Genius™ platform combines 2D/3D imaging, realtime treatment planning, and AI-driven prosthesis design to empower practitioners globally. With operations scaling across North America and Europe, we are seeking talented computer science students to contribute to our cutting-edge AI platform and mobile applications.

Role Overview

As a Software Developer (Student/Intern), you will contribute to the design and development of our apps and APIs that connect AI models to the TX-Genius™ platform. You will gain hands-on experience in building scalable systems for healthcare technology, working alongside AI engineers, data scientists, and product managers. This is an opportunity to apply your computer science education to real-world challenges in digital healthcare and AI.

Key Responsibilities

- Build Scalable APIs with FastAPI: Develop and maintain RESTful APIs for serving machine learning models and processing image data.

•Image Processing Pipelines: Implement workflows using libraries such as OpenCV, MediaPipe, Open3d, Pillow, or scikit-image.
•Train and Deploy ML Models: Work with TensorFlow, PyTorch, or Keras to train, fine-tune, and deploy AI models for computer vision tasks.
•System Integration: Collaborate with engineers to integrate AI models into production environments for scalability and performance.
•Data Handling: Manage and preprocess datasets for model training, ensuring data quality and consistency.
•Testing & Debugging: Write unit tests and debug across the development cycle to ensure application reliability.
•Cross-Team Collaboration: Work with product managers, frontend developers, and lab partners to align on requirements and solutions.
•Continuous Learning: Stay updated on the latest in image processing, ML frameworks, and FastAPI.

What We Offer

• Hands-on experience at the intersection of AI, healthcare, and app development.
•Mentorship from experienced AI engineers, prosthodontists, and product leaders.
•Exposure to real-world AI applications in digital dentistry.
•Opportunity for transition into full-time employment post-graduation.
•Flexible working environment with potential hybrid options (Vancouver HQ + remote).

Job Requirements

Required Qualifications

• **Education:** Pursuing Master Degree (Preferred) or bachelor's degree in computer science, Engineering, or a related field (or equivalent experience).
•**Experience:**
• 2+ years of professional experience in Python development.
•1+ years of experience with image processing using libraries like OpenCV, Pillow, or scikit-image.
•1+ years of experience training and deploying machine learning models using TensorFlow, PyTorch, or Keras.
•1+ years of experience building APIs with FastAPI or similar frameworks (e.g., Flask, Django REST Framework).
•**Technical Skills:**
• Strong proficiency in Python programming and its ecosystem.
•Expertise in image processing techniques (e.g., filtering, edge detection, image transformations).
•Experience with machine learning frameworks and model training pipelines.
•Proficiency in FastAPI for building and deploying RESTful APIs.
•Familiarity with version control systems (e.g., Git).
•Knowledge of containerization tools like Docker and orchestration tools like Kubernetes is a plus.
•Understanding of cloud platforms (e.g., AWS, GCP, Azure) for model deployment is a plus.
•**Soft Skills:**
• Strong problem-solving and analytical skills.
•Excellent communication and collaboration abilities.
•Ability to work independently and in a team-oriented environment.
•Detail-oriented with a focus on delivering high-quality code.

Preferred Qualifications

• Experience with deep learning models for computer vision (e.g., CNNs, YOLO, or other architectures).
•Familiarity with GPU-accelerated computing (e.g., CUDA) for image processing or model training.
•Knowledge of database systems (e.g., PostgreSQL, MongoDB) for API integration.
•Experience with CI/CD pipelines for automated testing and deployment.
•Contributions to open-source projects or a portfolio showcasing relevant work

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op
Cover Letter Required? Yes
Address Cover Letter to Isabella Taba

Special Application Instructions

Interested candidates should submit:

1. Resume (highlighting technical projects or coursework).
2. Short cover letter explaining interest in AI, healthcare, or app development.
3. Links to GitHub/portfolio (if available)