

JACOB BLAZUSIAK

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WORK EXPERIENCE

Junior Research Analyst

(May 2018 – August 2019)

University of Alberta

- Spearheaded an interdisciplinary project researching plant growth with image analysis
- Provided desktop support for hundreds of researchers across campus
- Researched new technologies and IT solutions for the University
- Designed custom 3D prints for unique research projects
- Documented and tracked issues using ServiceNow

Web Developer

(May 2017 – January 2018)

StatGo Corp.

- Refactored the web application to use Material Design and AngularJS
- Designed numerous intuitive help webpages and tools for new application users
- Drove software consultations to find and tailor solutions for client needs
- Created documentation and tracked issues based on priority and impact
- Embraced agile software development skills and practices

PROJECT WORK

Haptik

- Implemented a web application used to document essential moments during resuscitation simulations

Raspberry-Pi Plant Phenotyping

- A joint project between the University of Alberta and G2V Optics, analyzing the growth of plants based on various light conditions using visual recognition
- Designed and created a custom physical environment to mount Raspberry Pi's that sync data across multiple lab chambers to a central server

Newpee

- Wrote a distributed social network web application that connects with various other social network applications

EDUCATION

University of Alberta

BSc with Specialization in Computing Science and
Computer Game Development Certificate

Expected Graduation: December 2020

Notable Courses:

- Algorithm Design/Analysis
- Computer Organization and Architecture
- Database Management
- Formal Systems and Logic
- Operating System Concepts
- Reinforcement Learning
- Software Engineering
- Video Game Development
- Visual Recognition
- Web Applications and Architecture

SKILLS

Programming Languages & Frameworks:

Python, C/C++, Java

HTML, CSS, JavaScript, Bootstrap, Django, ReactJS, AngularJS, Express, Node.js, PyTorch

Databases: MongoDB, SQLite, PostgreSQL

UX/UI design: Figma, Adobe XD

AWARDS AND HONORS

Haemonetics Software Solutions Computing Science Scholarship (2020)

Awarded to a resident of Alberta with superior academic achievement continuing in the fourth year.

Dean's Honor Roll (2020)

Awarded to students with a Grade Point Average of 3.5 or higher on 24 or more units of course weight (or equivalent).

Jason Lang Scholarship (2017)

Recognizes and rewards the outstanding academic achievements of Alberta post-secondary students.

Award for Excellence in Art and Design (2017)

Recognizes the video game with the best visual art and design, including art direction, cut-scene design and character design.