JACOB BLAZUSIAK

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WORK EXPERIENCE

Junior Research Analyst   (May 2018 – August 2019)
University of Alberta

- Collaborated in an interdisciplinary project researching plant growth with image analysis
- Provided desktop support for hundreds of researchers around campus
- Researched new technologies and IT solutions for the University
- Designed custom 3D prints for 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
- Facilitated software consultations to find and tailor solutions for client needs
- Prepared 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

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

Award for Excellence in Art and Design
Recognizes the video game with the best visual art and design, including art direction, cut-scene design and character design.