

Alyssa Haas/ computational designer | intern architect

e: alhaas@ualberta.ca | p: 780.293.1687

Alyssa is a computational/architectural designer with experience ranging from large scale architectural projects, design automation and algorithmic design methodology development through interactive art installations. In her work she often employs novel techniques utilizing design computation for modeling, analysis, visualization, and documentation of design ideas and enjoys bringing concepts to life through iterative exploration, working closely with designers of various disciplines and project stakeholders.

SKILL HIGHLIGHTS

Architectural Concept Development | Algorithmic Design | Digital Fabrication | Rendering & Graphics | Animations | Space Planning | Oral and Written Presentation Skills | Research & Development | Site Analysis & Sustainability Studies | Design Development | Contract Documents | Permits and Coordination with AHJ | Contract Administration

Advanced Modelling Skills in Rhinoceros 3D.
Proficient Modelling/Documentation Skills in Revit.
Advanced Algorithmic Design Skills in Grasshopper and Dynamo.

Alyssa is a capable self-directed learner who enjoys honing new skills in unfamiliar tools and contexts.

PROFESSIONAL CREDENTIALS

Eligible to register as an Intern Architect with AIBC.
Completed and passed all ExAC examinations in 2019. Over 7000 experience hours logged in CERB.

WORK EXPERIENCE

Tangible Interaction, Vancouver (2021-2022)
Computational Designer

Stantec, Vancouver (2017 -2021)
Intern Architect/Computational Designer

Architecture Tkalcic Bengler, Edmonton (2014-2017) Intern Architect

EDUCATION

Master of Architecture, University of Calgary,
Calgary, Alberta, 2014

Bachelor of Design (Engineering Route), University
of Alberta, Edmonton, Alberta, 2010

PROJECT EXPERIENCE

Computational Design Research

AUDET – Automated Design Tool for Multi-Unit
Residential, Boston MA (Project Lead) 2020

Flow UI – Interactive UI Research collaboration with
SFU 2019-2020 (Project Lead)

Design Automation Tools Development 2017-2022

Art Installations

AER Skinlab Parametric Ceiling
Vancouver, British Columbia 2021-2022 (Designer)

Robson Square Canopy Lights
Vancouver, British Columbia 2021-2022 (Designer)

Step With Me Interactive Stairs @ Bentall Centre
Vancouver, British Columbia 2021 (Designer)

Education Post-Secondary

Kwantlen Polytechnic University – Laboratory
Renovation, Surrey, British Columbia (Designer, PM,
Contract Admin) 2019-2020

Education K-12

Prince Rupert Middle School Concept Plan, Prince
Rupert, British Columbia (Designer) 2019-2020

Isabella Dicken Elementary School Project
Development Report, Fernie, British Columbia
(Designer) 2019-2020

Mulgrave School Pool and Playfield Feasibility Study,
West Vancouver, British Columbia (Designer), 2019-
2020

Cowichan Secondary School Pursuit, Duncan,
British Columbia (Designer), 2021

New Westminster Secondary School Pursuit, New
Westminster, British Columbia (Designer), 2017

Holy Trinity High School Modernization + Addition,
Edmonton, Alberta, (Designer), 2016

St. Edmund School Modernization, Edmonton,
Alberta (Designer), 2016

École Joseph-Moreau, Edmonton, Alberta
(Designer), 2017

École Champs Vallée K-9 School, Beaumont,
Alberta, (Designer) 2016

Whispering Ridge K-8 School, Grande Prairie,
Alberta, (Designer) 2016

École Mother d'Youville School, Beaumont, Alberta,
(Designer) 2016

Edmonton Public School Board - K-9 Schools
Edmonton, Alberta, (Designer, Development Permit
Coordination) 2016

Including: Svend Hansen | Shauna May Seneca |
David Thomas King | Donald R. Getty | Hilwie
Hamdon

St. Jerome's School Modernization, Vermilion,
Alberta (Designer) 2015

École Notre Dame High School Modernization,
Bonnyville, Alberta (Designer) 2015

École Notre Dame Elementary School Renovation,
Bonnyville, Alberta (Designer) 2015

Buildings Sports & Recreation

St. Albert 50+ Club Renovations, St. Albert, Alberta
(Designer) 2015

Spitz Stadium Renovations, Lethbridge, Alberta
(Designer) 2014/2015

Royal Glenora Club Masterplan, Edmonton, Alberta,
(Designer) 2016

Commercial

CIBC Branch Renovations, Greater Vancouver,
British Columbia, (Project Management, Permit
Coordination & CA) 2018/2019

Civic Government

Stanley A. Milner Library Renewal (Drawing
Production), Edmonton, Alberta, Canada

Assessment Analysis

High Level Arena Assessment*, High Level, Alberta

Seven EPSD Schools - Facility Assessment + Value
Management*, Edmonton, Alberta, 2016

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PRESENTATIONS

Automation Using Computational Design. *AIA TAP Building Connections Congress, Washington, DC, 2020.*

Overcoming the Barriers to Digital Transformation (Panelist w/ Santiago Diaz, Blair Birdsell, Elton Gjata). *CanBIM, 2020.*

Building User Friendly Tools (presented with Achintya Bhat). *Advancing Computational Building Design (Chicago, IL), 2019.*

Advancing Computational Design Culture in your Firm (presented with Achintya Bhat and Masha Pekurovsky). *Advancing Computational Building Design (New York, NY), 2018.*

Should We Ever Plan Space with Generative Design? A Panel Debate - (w/ Mark Burry, Deepak Atresh, Kristen Schulte, Moderated by Aubrey Tucker). *Autodesk University (Las Vegas, NV), 2018.*

REFERENCES

Please inquire for contact information.