

Yuhan (Andrew) Zhang

Civil Engineer-in-Training
(Project Management: Industrial, Water, Transportation)

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SKILLS

Design and Modeling: AutoCAD, SketchUp, s-frame, Synchro, EPANET, EPA SWMM, Civil3D, Navisworks, SolidWorks

Software and Tools: Python, C, Microsoft Office (including Access), Microsoft Project (with Power BI), ProjectWise

Certifications: Intermediate First Aid (Standard), Level C CPR/AED, WHMIS, CSTS 2020, BC Class 5 Driver's License

Knowledge and Standards: CCDC 2, CCDC 5B, CSA A23.1, WorkSafeBC OHS

WORK EXPERIENCE

Maple Reinders Constructors Ltd. | Project Coordinator

May 2024 - Present

Annacis Island Wastewater Treatment Plant Expansion Stage V - Gravity Thickeners

January 2022 – August 2022

Hydrothermal Liquefaction (HTL) Demonstration Pilot Project

- Managed monthly cash flow analyses and financial projections for a 13M project budget, presenting actionable reports to executive management
- Maintained strict project schedules and tracked progress payments across a 20-month timeline, generating monthly status reports to keep stakeholders aligned
- Directed the multi-phase testing, QA/QC, and commissioning process for 5 systems, achieving full compliance with contractual requirements
- Collaborated with multiple consultants and design engineers to refine testing procedures, reducing deployment delays
- Prepared bypass plans and on-site traffic control measures, coordinating complex sequencing to prevent operational downtime
- Formulated 20+ technical reports, work plans, and calculations in strict accordance with BC Building Code and CSA standards
- Facilitated resource allocation and procurement for 10+ subcontractors, swiftly managing change requests to protect project margins and timelines
- Processed 500+ critical documents, including shop drawings, RFIs, and transmittals, bridging communication between field teams and stakeholders
- Developed and launched a custom online project management platform, utilized by a team of 8 to track weekly task logs and streamline operations

Transportation Investment Corporation | Project Coordinator

May 2023 – August 2023

Surrey Langley Skytrain Extension Project

- Drafted scope of work documents and created an illustrative sketch of job alignment with Bluebeam for a survey work
- Reviewed project documents, including technical clauses in the Project Agreement and RFI responses
- Tracked changes and revisions to ensure document accuracy and alignment with EGBC standards

BC Hydro | Field Engineer

August 2022 – December 2022

Site C Clean Energy Project

- Prepared concrete pour and rebar detail drawings and related documents and performed inspections individually on-site
- Provided solutions to on-site deficiencies collaboratively with team members, designers and other stakeholders
- Updated 3-D models in five different working areas using Navisworks weekly to display upcoming work plans visually

Cumming Construction Management | Project Management Assistant

September 2020 – October 2021

- Supported project management for major developments, including the Nickelodeon Theme Park in China and Shanghai Disneyland Resort expansion
- Performed quantity take-off, cost estimating and worked on assignments to review contracts and schedules in the architectural and civil disciplines

EDUCATION & PROFESSIONAL AFFILIATIONS

EGBC Engineer-in-Training (EIT)

May 2024 – Present

Passed National Professional Practice Exam (NPPE) | Eligible for P.Eng. in 2027

University of British Columbia

September 2019 – April 2024

Bachelor of Applied Science - Civil Engineering