

EDUCATION

UNIVERSITY OF WATERLOO

BASC IN MECHANICAL ENGINEERING

Expected 2022 | Waterloo, ON

SKILLS

CAD/TECHNICAL DRAFTING

CAD & Markup Software

SolidWorks • AutoCAD • Fusion 360 •

BlueBeam Revu

Competencies

GD&T • P&IDs • DFM

PROGRAMMING

Experienced

C++ • VBA • Bash • HTML

Fundamental Knowledge

Python • JavaScript • CSS • Git

Versioning

SYSTEM ADMINISTRATION

Operating Systems

Linux • Windows Server

Software

MySQL • Docker • Hyper-V • apache •

nginx • WordPress

OFFICE SOFTWARE

Excel Experience

VBA • Power Pivot • Power Query •

Power BI

Multimedia Software

Photoshop • Premiere Pro • After Effects

• Final Cut Pro

Other

Primavera P6 • SAP • Bluebeam

ADDITIONAL INFO

Certifications & Endorsements

Driver's Licence • H₂S Alive • WHMIS

Citizenship

Canadian & EU Citizenship (UK)

Interests

Automotive • Aerospace • Computers •

Robotics

Links

Website: bentley.sh

LinkedIn: cameron-bentley

GitHub: cjbentley

WORK EXPERIENCE

AECON GROUP, INC. | INTERN PROJECT COORDINATOR

January 2019 - April 2019 | Calgary, AB

- Project coordinator for platform installation on a T-South compressor station
- Managed requisitions, labour & material tracking, and equipment acquisition
- Assisted with subcontract disputes and cost control, and tracked KPIs
- Provided Project Status Reports for client and collaborated with client's internal project auditing

NOUCLR GROUP | ENGINEERING INTERN

September 2018 - December 2018 | Montréal, QC

- Intern on design management team during early construction phase of CDPQ Infra's Réseau express métropolitain LRT network in Montréal
- Validated design & construction plans against external constraints (such as peak vibration ordinances for nearby buildings) before issuance for construction
- Tracked design progress by section against mandated targets from client

AECON GROUP, INC. | ENGINEERING INTERN (2 TERMS)

May 2017 - Aug. 2017 & Jan. 2018 - Apr. 2018 | Fort St. John, BC & Calgary, AB

- On-site intern during an Enbridge cogen facility turnaround operation, and office intern during pre-build phase of CNRL's Kirby North metering station
- Assisted with project controls, planning, scheduling, QC, and reporting
- Collaborated on in-field revisions to IFC drawings to decrease site downtime
- Analysed productivity and cost trends to improve cost control & efficiency
- Created critical safety & regulatory documentation, such as the SSSP and ERP
- Acquired procurement contracts and compared costs between vendors
- Managed document control
- Collaborated in development of construction schedule using Primavera P6
- Automated reporting, document control, and other office processes

PROJECTS

WATSAT SATELLITE DESIGN TEAM | STRUCTURES SUBSYSTEM LEAD

September 2016 - August 2018 | Waterloo, ON

- Designed components for CubeSat satellite structural redesign.
- Integrated attitude control and communications hardware into satellite frame.
- Documented and simulated structural design properties for presentation at the Canadian Satellite Design Challenge's CDR (Critical Design Review).
- Developed understanding of DFM and designing to specification (maximizing resistance to stress while minimizing weight and cost to manufacture).

AIM ENGINEERING CHALLENGE | 1ST PLACE GROUP LEADER

January 2016 - May 2016 | Calgary, AB

- Developed & tested a new prototype and presented this prototype to the competition host.
- Group placed first; company integrated suggested changes into new pod design.

AUTOMOTIVE PROJECTS

- Hands-on experience maintaining, repairing, and modifying vehicles for reliable track use, as well as fabricating basic components
- Assisting in fabricating engine & transmission mounting hardware for a track-prepped Mazda Miata (Chevrolet LS3 small-block & Getrag 260 5-speed)