

# Derryn Bracey, EIT

Postgraduate Student in Global Development

MS Office proficiency including MS Project

US Employment Authorization (EAD)

Pursuing PMP certification

Expertise in civil engineering design, project leadership, and design management in the water/wastewater/water resources sector.

Excels at collaborating with clients and across cultures and technical disciplines to resolve issues and streamline project delivery.

Naturally adept at program and project strategic planning. Known for thinking creatively to identify novel solutions to project challenges.

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## Professional Experience

### PROJECT ENGINEER | [Clark Water](#) (Clark Construction) - Sterling, VA, USA

MARCH 2021 - PRESENT

- Lead civil estimator for project bids up to \$140 million in the water/wastewater infrastructure sector.
- Scoped projects to determine subcontractor scope delineation and develop construction methodologies.

### VOLUNTEER | Engineers Without Borders (EWB)

JUNE 2020 - PRESENT - **DESIGN FACILITATOR & FUNDRAISING LEAD | EWB USA - Washington DC**

- Created and facilitated a human-centered design process to promote user-centric problem solving for an [accessible community garden project](#) in Washington DC.
- Workshopped with project leads to develop annual fundraising program goals and strategies and created monitoring and evaluation tools to track progress and make continuous program improvements.
- Raised over \$10K in one year during covid-19, doubling the previous year's amount and including over \$4K in one month, to fund vital community infrastructure projects in West Africa and Central and South America.

FEBRUARY 2020 - **DESIGN SUMMIT MENTOR | EWB Australia - Nepal**

- Facilitated a unique [in-country learning experience](#) about humanitarian engineering and cross-cultural communication. Students learned by solving real-world challenges faced by the host community.
- Managed daily logistics including travel and transport, itinerary, daily financial reporting, and student wellbeing.

NOVEMBER 2017 - MAY 2020 - **PROFESSIONAL DEVELOPMENT PROGRAM LEAD | EWB New Zealand - New Zealand**

- Created and implemented professional training programs on humanitarian engineering and sustainable development.
- Organized four national training conferences including development of large portions of the conference agendas.
- Lead workshops with organization leadership to develop annual goals and plans across multiple programs.

### WATER ENGINEER | [Beca Group](#) - Wellington, New Zealand

APRIL 2016 - DECEMBER 2019

Client: **Wellington Water**

Budget Range: **\$430K - \$60M**

- Led water/wastewater projects from start-up to close-out, managing budgets and schedules, client engagement and external communications, and coordinating project delivery.
- Made connections throughout the client organization and used clear communication to get buy-in and successfully navigate uncertainty during significant client organizational change.

Client: **National Institute of Water and Atmospheric Research (NIWA)**

Budget: **\$160M**

- Led the design management and work package management for civil engineering scope in a highly complex, multi-discipline buildings project.
- Created work plans, onboarded project staff, and headed the civil engineering design team.
- Worked closely with the broader multi-discipline project team to coordinate designs and proactively address project issues.

Client: **New Zealand Transport Agency**

Budget: **\$630M**

- Supervised drawing delivery and liaised between staff in New Zealand and Jakarta with an aim to build capacity of the Jakarta office.
- Created a document revision and project monitoring process to efficiently deliver over 2,300 drawings within time and budget constraints.

### CIVIL ENGINEER (INTERN) | [Beca Group](#) - Jakarta, Indonesia

JANUARY 2016 - APRIL 2016

- Liaised with international offices to establish inter-office agreements with Jakarta, and coordinated and scheduled production of deliverables for the Jakarta-based teams.

## **Education**

### **BACHELOR OF ENGINEERING (Honors) | University of Auckland - New Zealand**

MARCH 2012 - NOVEMBER 2015

Specialized in water resources and environmental engineering.

### **PG CERTIFICATE IN INTERNATIONAL DEVELOPMENT | Massey University - New Zealand (Online)**

MARCH 2021 - NOVEMBER 2021

Specialised in Sustainable Development Goals, development management, and program design.

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## **Continuing Professional Development**

### **PMP EXAM PREP COURSE | Project Management Institute - Online**

OCTOBER 2020 - APRIL 2021

Online, on-demand revision course on project management topics included in the PMP exam.

### **SYSTEMS THINKING | Acumen Academy - Online**

MAY 2020 - JULY 2020

Learned about using systems thinking as a tool to understand complex issues, while applying the learnings to a real-world challenge (gentrification and displacement in Washington DC).

### **SOLUTIONS FOR SUSTAINABLE DEVELOPMENT | Engineers Without Borders Australia - Cambodia**

FEBRUARY 2019

Engaged with remote communities in rural Cambodia, used active listening and cross-cultural communication to research user needs, and developed a viable business solution to promote the expansion of community-based water supply systems.

### **WASH & BEHAVIOUR CHANGE | International Water Center - Online**

AUGUST 2017 - OCTOBER - 2017

Learned how to incorporate behaviour strategies into WASH programs, including community research, developing theories of change, and selecting indicators for monitoring.

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## **Awards**

**VOLUNTEER OF THE YEAR (2018)** | Engineers Without Borders, NZ

**WORK EXCHANGE TO JAKARTA, INDONESIA (2016)** | Asia New Zealand Foundation in collaboration with Beca Group

**WINNER - ODYSSEY DESIGN CHALLENGE (2015)** | Engineers Without Borders, NZ