

# Christopher Bulkley-Logston

## Engineer in Training - Civil - Water Resources

1302 Norvell St, El Cerrito, CA

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(510) 375-8524

## Key Qualifications

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- Over a year of professional experience in Water Treatment Engineering and Water Infrastructure Development
- MS in Water Resources Engineering from the University of Minnesota, Twin Cities
- BS in Mechanical Engineering from the University of California at Davis
- On track to becoming a California Professional Engineer (Civil) by the end of 2019

## Skills Required for Position

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<b>Water Control Systems:</b> motor-operated valves (MOVs), pressure switches, in-line flow meters	<i>design/consulting</i>
<b>Potable Water and Wastewater Treatment Plant Design:</b> disinfection, GAC vessels, pumps, clarifiers	<i>design/consulting</i>
<b>Equipment Installation Instructions:</b> process flow diagrams for valve manifolds (manual & MOV)	<i>design/consulting</i>
<b>Submittal Review and Analysis:</b> safety plans, material & equipment specs, pipe interior footage	<i>construction management</i>
<b>Manufacture Witnessing:</b> development of head-discharge curves, impeller balancing	<i>design/consulting</i>
<b>Office/Contractor Meetings:</b> progress, field, troubleshooting, safety assessment	<i>construction management</i>
<b>Technical Presentations:</b> calculation methods, equipment demystifications	<i>employee-employee training sessions</i>
<b>Contract Documentation:</b> construction and piping plans, flow diagrams, mechanical details	<i>design/consulting</i>

## Other Relevant Skills

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<b>2D Drafting, 3D Solid Modeling:</b> AutoCAD, AutoCAD Civil 3D, Autodesk Inventor	<i>design/consulting</i>
<b>Hydrologic and Hydraulic Analysis:</b> Excel, HEC-HMS, HEC-RAS	<i>graduate coursework</i>
<b>Geographic Information System:</b> ArcGIS, QGIS	<i>graduate coursework</i>
<b>Workflow Automation:</b> Visual Basic for Applications (VBA)	<i>design/consulting</i>
<b>Numerical Computing:</b> Matlab, GNU Octave	<i>undergraduate and graduate coursework</i>
<b>Public Speaking:</b> academic, informational, entertainment	<i>teaching, improvisational comedy</i>

## Employment

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<b>San Francisco Public Works</b> <i>Assistant Resident Engineer</i> Currently working as an EIT with the department's Infrastructure Development Construction Management Team	<b>San Francisco, CA</b> 2019 - Present
<b>Provost &amp; Pritchard Consulting Group</b> <i>Assistant Engineer</i> Worked as an EIT with the company's Water Treatment Design Team	<b>Fresno, CA</b> 2018 - 2019
<b>Peace Corps, Cameroon</b> <i>Education Volunteer</i> Taught high school Physics and Mathematics (as part of my graduate degree)	<b>Ntumbaw, Cameroon</b> 2016-2017
<b>Peace Corps, Guinea Conakry</b> <i>Education Volunteer</i> Taught high school Physics and English (as a foreign language)	<b>Morodougou, Guinea</b> 2013-2014

## Education

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<b>University of Minnesota, Twin Cities</b> <i>MS Civil Engineering, Water Resources</i> (This was a Peace Corps Master's International degree which included service in Cameroon.)	<b>Minneapolis, MN</b> 2015 - 2018
<b>University of California at Davis</b> <i>BS Mechanical Engineering, Education Minor</i>	<b>Davis, CA</b> 2008 - 2012

## Certification

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<b>Engineer in Training (EIT):</b> NCEES	<i>Certification #145645, granted May 2012</i>
<b>Passed the 8-Hour National PE Exam:</b> NCEES	<i>October, 2018</i>
<b>CA PE-Civil Application Technically Approved:</b> BPELSG	<i>Seismic and Survey Exams scheduled for July and August, 2019</i>