

# MICHAEL DURKEE

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**OBJECTIVE:** Obtain an entry level career position in civil engineering where I can apply my internship experience and education while continuing to grow along my career path.

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## **EDUCATION:**

Bachelor of Science in Civil Engineering, University of California, Davis (GPA 3.60)

Anticipated graduation: June 2015

Engineer-in-Training (EIT), California, Certificate No. 154583, December 2014

### Relevant Coursework:

Engineering Hydraulics

Green Engineering Design and Sustainability

Hydrology and Floodplain Analysis

Water Quality Management

Spatial Data Analysis (AutoCAD & GIS)

Structural Design: Metallic Elements

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## **EXPERIENCE:**

**Engineer Student Intern**, Sacramento Regional County Sanitation District

April 2013 – Present

### Collection System Experience

- Lead the development of an Operator Training Guide for a 10 MGD collection system pump station.
- Collaborate and work in teams with operators to reconcile design manuals with current practices, confirm operating parameters and control logic, develop operation manuals, and label equipment for operator training.
- Review, field verify, and markup As-Built plans and GIS site representations for collection system pump stations.
- Research regulations and update forms, training presentations, manuals, quick reference guides, and emergency response kits to ensure compliance and assist in maintaining a Sanitary Sewer Overflow Response Plan, a Sewer System Management Plan, and a Spill Prevention, Control, and Countermeasure Plan.

### Wastewater Treatment Plant Experience

- Coordinate with outside departments and contractors for hazardous materials sampling, transportation, and disposal of vegetation grown on closed dedicated land disposal sites.
- Collect, verify, and summarize wastewater treatment plant operations data (e.g. Flow, EC, pH, Temp, TOC, DOC, etc.) and ensure outliers are accurate for intra-agency and inter-agency data requesters.
- Developed and assisted in developing over 5 technical memorandums to optimize recurring work procedures.

**Construction Laborer**, Nelson & Oreglia Custom Design Concrete

Seasonally, May 2010 – Sep 2012

- Prepared and maintained clean construction sites to ensure safe conditions while optimizing construction flow.
- Installed over 5,000 steel reinforcing bars, as illustrated on plans or directed by supervisor and assisted in building and dismantling concrete forms.
- Graded construction sites, filled potholes, and dug footings in preparation for pouring concrete.

**Health Care Specialist (Medic)**, United States Army

Sep 2006 – April 2010

- Supervised and managed personnel including coaching, developing detailed evaluations, scheduling, and job assignments for a staff of 6 soldiers.
  - Designed and delivered medical and safety management training for groups of up to 35 staff members.
  - Provided initial care, including triage, combat emergency care, and field medicine for over 1,000 patients.
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## **COMPUTER SKILLS:**

Adobe Acrobat Pro and Microsoft Office Suite including Visio and Excel

AutoCAD, GIS, and Flowmaster

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## **PROFESSIONAL ASSOCIATIONS:**

American Society of Civil Engineers, Student Chapter

American Water Works Association

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## **INTERESTS AND ACTIVITIES:**

Woodworking, camping, backpacking, snowboarding, watersports, and automotive tinkering