

# James (Jake) Hermle

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## EDUCATION

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### University of Southern California, Los Angeles, CA

Viterbi School of Engineering

Bachelor of Science, Civil Engineering

Expected May 2014

Cumulative GPA: 3.668

**Honors:** Viterbi Dean's List, Presidential Scholar, Chi Epsilon Honor Society, Rusch Engineering Honors Program

### Thomas Jefferson High School for Science and Technology, Alexandria, VA

June 2010

GPA: 4.319

## EXPERIENCE

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### Arup, Los Angeles, CA

Summer 2012, Summer 2013

#### Infrastructure Intern

- Modeled light rail underground guideways to perform soil settlement analyses.
- Produced horizontal and vertical roadway alignments for the Gerald Desmond Bridge Replacement Project.
- Chaired civil engineering group task force meetings and took minutes.
- Coordinated with the NOAA PORTS program to determine design constraints for bridge air gap sensor.
- Created utility routing plan for pipes servicing Gerald Desmond Bridge maintenance vehicles.
- Produced potholing and CCTV surveying exhibits for utility upgrading projects.

### Dominion Virginia Power, Woodbridge, VA

Summer 2011

#### Design Intern

- Designed new service lines to connect businesses and residencies requesting electricity to the power grid.
- Communicated with customers to configure power line designs to individual needs.

### American Society of Civil Engineers, USC Chapter

January 2011 - Present

#### Concrete Canoe Co-Captain (August 2011 – Present)

- Manage a team of 30 students to design and construct a concrete canoe to be raced against other universities in the Pacific southwest.
- Coordinate team paddling practices, design and construction meetings.
- Developed concrete mix design using lightweight aggregates to design a concrete mix that floats in water while staying within ASCE rules and regulations.
- Composed technical write-ups of the design and construction of the canoe.

### Troy Camp, USC

September 2012 – Present

#### Counselor

- Assisted in the organization of specialized programming for students at West Vernon Elementary in musical theater and leadership programming for middle school students in the Leaders In Training program.

### Institute of Transportation Engineers, USC Chapter

April 2011 - Present

#### Publicity Chair (August 2011 – August 2012)

- Helped establish newly formed chapter of ITE.
- Maintain communication with member base concerning ITE events.

## SKILLS

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**Software:** MS Office (Word, Excel, Powerpoint), AutoCAD, Revit Architecture, SolidWorks, SAP2000, MicroStation (+InRoads)

**Languages:** Conversational German