**Jarod M. Perko**

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**Education Background:**

**B.S. Chemical Engineering** (expected May, 2019), University of Idaho, Moscow, ID. Grade point 3.61.

**Green River College:** Pre-engineering classes. Grade point 3.93.

**Work Experience:**

**Research Assistant**; Utigkar Lab

June 2017-present

**University of Idaho** – Moscow, Idaho

* Worked on adsorption capacities of iodine in carbon/ETS-10 pellets for the purpose of capturing off-gases from reprocessing nuclear waste.
  + Demonstrated adsorbance capacity twice as high as current industry standard
* Worked with chemical vapor deposition to coat alumina in silicon carbide.
* Worked on liquid-liquid extraction of actinides and lanthanides for the purpose of extraction from nuclear waste within the nuclear fuel cycle
  + Modeling residence time distribution through a centrifugal contactor
  + Mentored other students on project

**Additional Skills:**

* Skilled in Microsoft Word and Excel.
* Familiar with MATLAB
* Familiar with Aspen

**Leadership Experience:**

* Students for Life; University of Idaho, Member, August 2016-present; treasurer, February 2017-present.
* Served six month terms each as Senior Patrol Leader and Assistant Senior Patrol Leader in Boy Scouts of America.

**Additional Education/Awards:**

* Phi Theta Kappa Honor Society; Green River College
* University Honors Program, Engineering Scholars; University of Idaho
* Boy Scouts of America Eagle Scout Award
* Red Cross Lifeguarding/First Aid/CPR/AED certification, 12/31/2013.