

## Anticipated expenses

I will need a desktop ( $\sim \$1,000$ ) for code development and small scale simulations. For high performance computing needs, I will apply for a cluster allocation through the Extreme Science and Engineering Discovery Environment (XSEDE), which has no cost. The only software that I will need, Python and Pylith (Aagaard et al., 2013), are free and open source. Additional expenses will include travel for conferences ( $\sim \$3,000$ ) and publication fees ( $\sim \$2,000$ ). In total, I do not expect my research expenses to significantly exceed \$6,000.

## References

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