Kyle Hovey

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EDUCATION

- **Utah State University** — Logan, UT
  Computational Mathematics Major; GPA: 3.87 — *Aug. 2015 – Current*

- **Cuesta College** — San Luis Obispo, CA
  Three semesters to transfer; GPA: 3.95 — *Jan. 2014 – May. 2015*

EXPERIENCE

- **West Coast Astronomical Society** — Santa Margarita, CA
  Head of Mechatronics — *Jun 2014 - Jan 2015*
  - **Telescope Automation**: I was in charge of automating the hardware of a Meade 10" telescope with the intention of streamlining the process of speckle interferometry to more accurately detect the positions of binary star systems. I implemented new affordable tech that will enable more people to observe countless binary+ star systems.

PROJECTS

- **8 Bit Spaghetti**: 8-bit processor that I designed and built using TTL. I have now helped many students around the world build versions of my design.
- **Euler Golf**: HTML5 game based on a problem I concieved involving recursive movement over the Gaussian Integers.
- **CALSim**: In-browser WireWorld cellular automaton interpreter with built in key-commands.
- **Acoustic Forest**: Procedurally generated terrain-based music visualizer built in 30 hours that achieved first place in the USU intercollegiate Hackathon.

PROGRAMMING SKILLS

- **Languages**: JS, C++, Python, Bash, Java, PHP, Haskell   **Technologies**: AWS, jQuery, lodash, Node.js