DAVID HALVORSEN

BIOINFORMATICS ANALYST

SUMMARY

In 5 years of experience in cancer research, I analyzed large datasets with therapeutically-relevant endpoints. Cancer assay development inspired me to learn more about data handling tools to accomplish more work. I have a desire to use bioinformatics to solve biological health problems.

CONTACT

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EDUCATION

UCSC Silicon Valley Extension Data Analytics Certificate, (Python, R, SQL), Aug 2018

Plattsburgh State University Bachelor of Science, Biochemistry Minor: Physics, May 2011

SKILLS

- Code: Python, R, SQL, & (learning) Shell Scripting
- Biology: Immunofluorescence, Flow Cytometry, Mammalian Cell Culture, Dot Blotting, qPCR, Data Analysis, Laboratory Automation, Telomerase
- Tools: Excel, ImageJ, MySQL, Evernote, Dropbox
- Operating Systems: Ubuntu Linux & Windows

WORK EXPERIENCE

SENS Research Foundation, Research Associate
AUG 2012- OCT 2017

- Tested samples for collaborations with three international research groups
- Presented research poster in Brussels, Belgium
- Led the transition of ten researchers from paper to electronic (Evernote) lab record keeping
- Co-authored a research grant for $25K
- Co-developed a high-throughput screen for detecting immunofluorescence colocalization
- Mentored six summer interns from project start to final conference poster presentation
- Co-created DNA circle test detection method that was 10X faster & 4X cheaper than previous method

Plattsburgh State University, Teaching Assistant
MAY 2009 - AUG 2011

- TA for biology, organic chemistry & biochem labs
- Graded labs, explained theory & safety, and prepared reagents for groups of +15 students
- Received Biology Educator Award, 2011

PUBLICATIONS

- Silva H; Halvorsen D; Henson JD, 2015, 'Control ALT, delete cancer', Scientist, vol. 29, no. 4
- Halvorsen, D., Silva, H. 2015. High Throughput Telomeric Circle Assay. U.S. Patent Application US2015031831, filed May 2015. Patent Pending.