4/23/2017

Informatics

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| Summer Intern - Informatics |
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| **Job Responsibilities** |
| The J. Craig Venter Institute (JCVI) is a dynamic non-profit research organization using science to impact the world. Our research groups focus on human genomic medicine, infectious disease, plant, microbial and environmental genomics, synthetic biology and biological energy, bioinformatics, and software engineering. We are looking for self-motivated, inquisitive minds to work with us in asking and finding the answers to questions that progress the field of genomics.  *The intern will:*   * *Perform genome analysis and visualization for sequence analysis, assembly.* * *Build web plugin to visualize sample metadata and assembly quality statistics.* * *Develop software to automate the analysis of this data*   + *Understand the data*   + *Discuss and collaborate on an appropriate software design*   + *Implement the software design* * *Produce a work product that can serve as a code sample* * *Work with our investigators and software engineers to refine your code sample* * *Present a project at the end the session*   *Skills the intern will acquire:*   * *Scripting knowledge in Perl, Python or Java* * *Unix experience* * *Experience with web tools such as HTML, CSS, Javascript* * *Genome analysis the opportunity to work with informatics tools such as Velvet and SPADES* |
| **Qualifications** |
| * *Entry level applicants strongly encouraged* * *Some Biology or Computer Science coursework, or relevant experience in Unix, HTML, CSS, JavaScript, Perl, Python* * *Ability to work independently, while respecting the needs of a larger team* * *A commitment to scientific discovery* * *Strong written and verbal communication skills*   *JCVI offers an excellent working environment. Equal Opportunity Employer AA M/F/Vet/Disability.* |