



PIPS opportunity:	Software Engineer Intern
Company Name:	Cambridge Cancer Genomics www.CCG.ai
Registered Company Number:	10583580
Address:	Cambridge Cancer Genomics, 72 Hills Road, Cambridge, Cambridgeshire, UK, CB2 1LA
Number of employees:	25
What our organisation does:	<p>We are a leading precision medicine start-up, creating intelligent software to enable oncologists to monitor response to cancer therapy in near real-time. Our team uses applied bioinformatics, machine learning, genomics, and the experience of our associated oncologists and surgeons to bring low invasive 'liquid biopsies' to cancer clinics worldwide. We are deep in the stages of R&D with clinical partnerships in California, the UK and Singapore, where we are working to understand the clinical consequences of tumour evolution during treatment. We have completed two tranches of fundraising; first from a large Cancer Centre and the prestigious Y Combinator accelerator program and later by top UK and Silicon Valley investors, and are now focused on growing quickly.</p> <p>We have built a suite of products called OncOS which incorporates our proprietary technology. We can predict response to therapy more accurately and reduce ineffective treatment regimens. We can also detect relapse earlier than standard of care. We give oncologists the head start they need to stay ahead of an evolving tumour.</p>
Project Name:	Towards Bioinformatics in the Cloud
Project Description:	<p>At CCG we build complex bioinformatics pipelines with cutting edge cloud technology. We are constantly improving and adding to our wide array of pipelines. We need enthusiastic bioinformaticians, with NGS experience to help refine our current analysis and shape new ones.</p> <p>We are diligent about our code delivery and specialise in delivering clean code. This internship would suit a candidate who has some beginner knowledge of Python and wants to</p>



	<p>learn how to deliver code at the next level in a professional environment. Learning the foundations of software engineering on this internship will allow our interns to go forwards and produce more reliable and more streamlined code. The successful candidate will have key input into designing this pipeline, the tools used, and any new tools that arise from our need to process the data. You'll learn lots about the workings of a start-up and make a real impact on our trajectory.</p> <p>As for project specifics, we have multiple mini-projects to choose from which can be discussed</p>
Duration:	<p>The timeframe of the internship is flexible. Our priorities can change quickly, so it could be that the work done on the internship is different to what was initially described. However, we do our best to ensure everyone works on things they are happy with!</p>
Travel/Expenses:	<p>There is a budget of £250pcm for the successful candidate to choose how they spend their time. The budget is to go towards accommodation or travel, however they choose to spend it along with remote working also being an option.</p>
Requirements:	<p>Essential:</p> <ul style="list-style-type: none">• Strong grounding in bioinformatics; either algorithm design or use of widely used tools (GATK, BWA, Picard)• Beginner to intermediate Python, with a willingness to learn more <p>Desired:</p> <ul style="list-style-type: none">• Experience with copy number data• Knowledge of GIT version control• Beginner to intermediate R programming language knowledge
Deadline for applications:	<p>Rolling deadline</p>
How to apply:	<p>Complete the on-line application form: https://goo.gl/forms/bXlJmDsaFT2wluA3</p> <p>then email Joan Tanous to let her know which position you have applied for.</p>
Contact details:	<p>Joan Tanous Email: joan@ccg.ai</p>