160 Greentree Drive
Suite 101
Dover, DE 19904
United States
www.ipwe.com

Extracting Genomic Sequences

Project Description:
a. **Project Name**: Extracting genomic sequences
b. **Scope**: Find information on how to extract genomic sequences and bio-chemical information from source documents
c. **Project Description**: Our AI is working on mass-data ingestion and we would like to explore new routes to identify genomic sequences in our data sources to extract them without blurring/altering the data source.
i. Some initial orientation about machine-learning and genomics can be found here: https://codete.com/blog/machine-learning-genomics/
ii. We typically extract data for our AI from scientific publications and patent documents. These will be the target data sources.
iii. Just running an OCR over the documents (if they are PDFs) will destroy the sequences or change their meaning/content. We need to find a way to persist the extracted data in a database/library/collection which our algorithms can then query.
d. **Form of Delivery**: Periodic updates by email and a final report on your findings in Word format
Business Purpose: We need this information to improve the precision of our AI.
Duration: part-time, minimum 7 hours per week
Work Hours: Flexible (intern can work at any time, including nighttime or on weekend)
Location: Remote (Intern can live anywhere in the world.)
Primary Work Premise: Home
Compensation: $15 (US Dollar) per hour
Consideration for full-time employment: Yes
Training Provided: Yes.
Travel Required: No
Submission Requirements:
Please send resume (in English) to **careers@ipwe.com**
Interview format: Video interview via Zoom or Microsoft Teams will be arranged upon selection notification
Market Skills and Requirements
Requirement - Library and Information Sciences, Information Sciences, Information Studies, Information Systems, Data Science, bioinformatics or equivalent degree

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About IPwe

IPwe is a single platform for the world's patent ecosystem. IPwe is leveraging the power of AI and blockchain to offer a fully automated transaction platform for patents and related services. IPwe dramatically lowers the cost of patent ownership. IPwe makes it easy to assess patent portfolios, buy or sell patents and engage relevant third-party services (deep patent expertise, filing and legal services). IPwe enables new types of services that are currently impractical or unavailable including patent insurance, crowdsourcing R&D, patent based financing and much more. IPwe's clients include large global companies, startups, universities, venture capital firms, governments, etc. Investors in IPwe include people from venture capital firms, hedge funds, family offices, etc.

IPwe leverages the power of artificial intelligence, data mining, and predictive analytics to unlock global patent value – we have created entirely new ways of interacting and transacting with patents.

We created a platform for the world's patent ecosystem, connecting buyers and sellers of patents and patent-related services, creating a tradable asset. IPwe is committed to fostering innovation by helping patent owners generate revenue and lower costs of patent ownership. Patents are difficult to monetize: as an asset class, they are highly illiquid. There is a lot of "friction" in trying to conduct transactions with patents. It can be hard to get information on patent ownership. There's no public record of most patent transactions. Determining the value or strength of patents is difficult and uncertain. Selling and licensing patents can take months and cost tens or hundreds of thousands of dollars in fees.

We have transformed the patent world by putting worldwide patents into a single database, while capturing as many patent transactions as possible, making it easier to: find patents from any patent office in the world, determine who owns a patent, and identify what a patent covers. By linking the database to our patent analytic platform, IPwe will make it much easier to estimate a patent's worth and estimate a patent's likely strength/validity. IPwe Analytics leverages the power of artificial intelligence to provide answers to basic and complex questions about patents. We believe AI and Blockchain will transform the IP Ecosystem and give rise to the Patent Asset Class. IPwe has assembled a world-class team of patent experts and technologists who will change the way patents are used on a global basis. We are looking for superb talent who are curious, data-driven and innovative problem-solvers that put the interests of clients front-and-center.

Highly Experienced Management and Employee Team -- Patent Transactions
Our team has been involved as a principal in over 1,000 licensing transactions that generated over $500 million in revenue and as a principal and advisor on over $2 billion of patent financing and acquisition transactions.

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100+ years of patent transaction experience among the senior executives reflecting billions of dollars in transactions
70+ years of patent AI experience and 100+ years of general AI experience among the senior team

Highly Educated Management and Employee Team -- Artificial Intelligence and Other Advanced Degrees
Artificial Intelligence: 1/3 of our employees hold advanced (PhD and Master's) degrees from the top universities in the world in data science, computer science, applied math and computer engineering, including University of Michigan, University of California, Berkeley, University of Minnesota, and Stanford University
AI focused team members have experience at the top companies in the world including Amazon, Apple, Facebook, Google and Microsoft
General: 2/3 of our employees hold advanced (PhD and Master's) and multiple advanced level degrees, including (in addition to universities above), The London School of Economics, Wharton at University of Pennsylvania, Washington University in St. Louis, Northwestern University and the Fraunhofer Institute

IPwe has a worldwide team of over 50 team members in Europe, US, and Asia. We have employees in the US, France, Germany, Ireland, United Kingdom, China, Japan, Hong Kong, Singapore, etc.

Be at the nexus of cutting-edge technology, IP and Finance. Be a part of our growing team.