

HP Internship Position - Computer Vision

- This position involves development of Computer Vision technologies and applications. The successful candidate will have knowledge in the areas of Machine Learning, Deep Learning training methods, and development of CNNs.
- Experience in Caffe, OpenCV, MATLAB, Python, C++, Objective-C is highly desired.
- The technologies will be deployed and piloted in a number of different application spaces (SDK, mobile phone, Windows/OSX desktop, APIs).
- You enjoy challenging work in a development lab that will make use of his/her engineering academic courses and applying it to a stream of commercial products.
- You will participate with other members of our R&D teams to drive new technology development, implementation, innovation and cost effective next generation printing and imaging technologies for our partners and customers.
- Interns are selected to execute projects relevant to their host department. They work with a technical mentor, and scope/plan/research/prototype/test and deliver their project within the specified timeframe.

Responsibilities:

- Codes and programs enhancements, updates, and changes for portions and subsystems of end- user applications software running on local, networked, and Internet- based platforms based on specific requirements and instructions.
- Executes established test plans and protocols for assigned portions of code; identifies, logs, and debugs assigned issues.

Education and Experience Required:

- Bachelor's or Master's degree in progress in Computer Science or Electrical Engineering (applied Computer Vision)
- Musts:
 - Candidate must be a US citizen or lawful permanent resident.
 - Skills include Machine Learning, Deep Learning training methods, and development of CNNs.
 - experience in Caffe, OpenCV, MATLAB, Python, C++, Objective-C
 - Demonstrable skills in front-end and/or back-end web development
 - Proven proficiency in CSS, HTML, JavaScript
 - Object-oriented programming experience: Objective C, C++, Java
 - Knowledge of source control system such as Git
 - Knowledge of Design Patterns, especially Model-View-Controller
 - Experience working in an Agile software development environment
 - Ability to learn new skills quickly and work effectively in a fast-paced environment
- Wants:
 - Front-end Javascript Frameworks (e.g., Ember, Angular)
 - Mobile development (iOS and/or Android)
 - Experience with REST APIs
 - Cloud service deployment technology (AWS, Chef, Puppet, etc.)
 - Hypothesis-driven software development mindset
 - Test-Driven-Development, Unit Test, Pair Programming
 - Strong understanding of Lean UX process
 - Ability to work with fast changing requirements, vague requirements
 - Ability to analyze the performance and scalability of complex systems
 - Information Science and analytics background
- Location: Palo Alto or San Diego, CA.
- Primary contact: Bill Felt bill.g.felt@hp.com
- Secondary contact: Dr. Qian Lin qian.lin@hp.com
- Apply online to this job: <https://h30631.www3.hp.com/job/san-diego/computer-science-app-developer-intern/3544/3807099>