

FullContact: Detecting Faces and Facial Features in Photos

About Us:

FullContact is solving the world's contact information problem. We're a 2011 TechStars Boulder graduate that provides APIs and applications that allow businesses and consumers to keep their contact information up-to-date automatically. We're a team of 55 people located in LoDo, walking distance to Union Station and the 16th Street Mall.

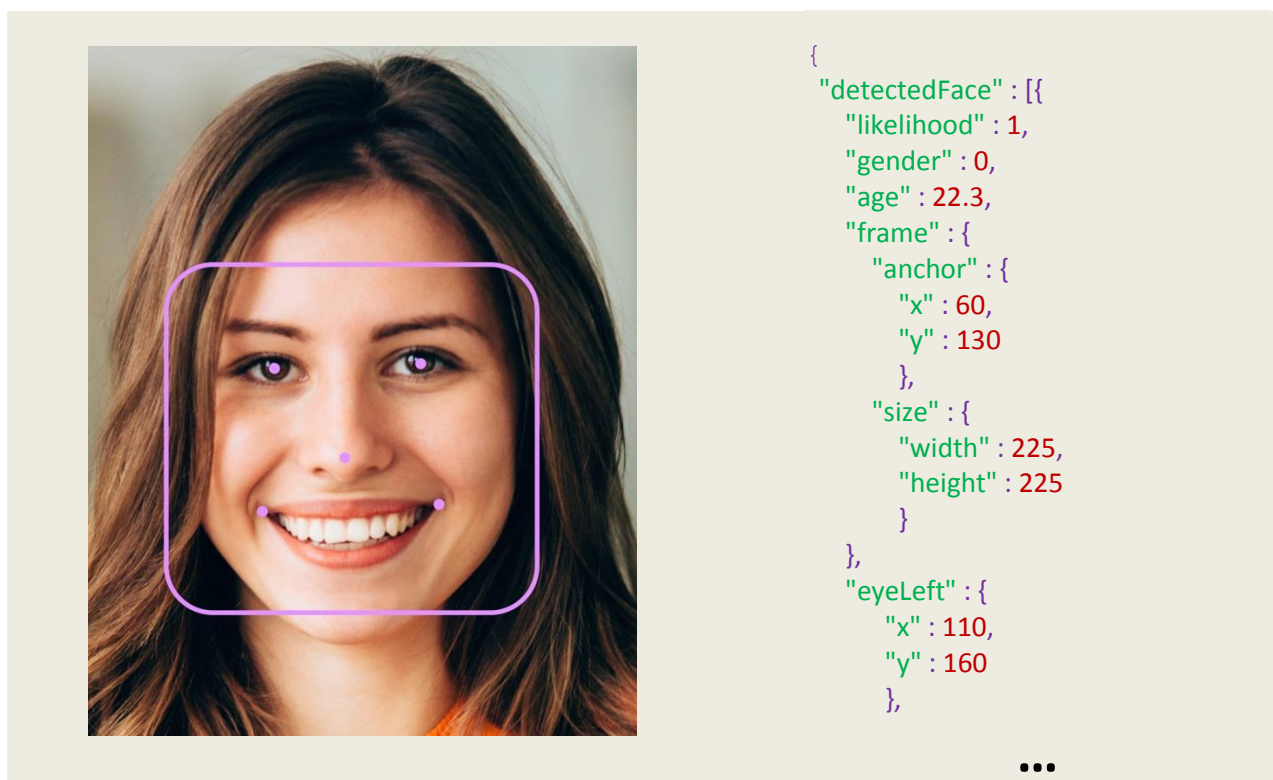
About You:

You enjoy solving hard problems and figuring out how to make things work. You are passionate about algorithms and machine learning. You enjoy working with and building highly scalable and available RESTful APIs.

The Project:

At the core of our system at FullContact sits a massive database of billions of individual contacts that we have amassed from hundreds of public sources (including many social networks) and hundreds of thousands of users of our FullContact applications (including our webapp, iOS app, and GMail plugin). We are always looking for ways to extract more insight and value out of our data to aid in providing the most accurate, thorough, and up-to-date address books on the planet.

Profile photos, such as we might get from Facebook, Twitter, and LinkedIn represent a key piece of our data asset. We currently have over 1.7 billion photos in our system. The goal of this project is to extract as much value as possible from those photos by building a service to: 1) Select the best headshot photo for a given person, 2) Auto-enhance and crop photos and, perhaps most importantly, 3) Extract additional information from photos such as age and gender. You will research and analyze approaches to the above and, based on your finding, you will implement a RESTful photo service to be used by our system.



Ideal Team Size:

3-5

Location:

LoDo (walking distance to Union Station and the 16th Street Mall)

Summer Internship:

A limited number of paid summer internships may be available upon course completion.