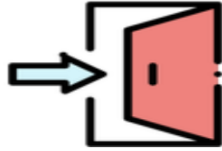


# Door to door

## Open your door today!



DoorToDoor

“I’ll open your door if you open mine.”

Mehar Bhatia, Marisa Papagelis, Luiza Eboli, Nina Goodman

### *Background*

As juniors in college beginning to look towards the future, we wanted to implement a web application which would be useful for students like us within our unique community of Wellesley College. DoorToDoor is an innovative platform to help Wellesley affiliates, both current students and alums, showcase their professional and academic talents and connect with company representatives from anywhere. Using our application, affiliates and company representatives can customize their profiles and traverse the site by name, company, or industry. DoorToDoor is a combination of Glassdoor, LinkedIn, and the Hive. While there are many existing platforms that our ideas draw from, our aim was to bring our favorite things from various platforms together in one web application solely oriented to the Wellesley Community.

### *Non-Technical*

One of the core abilities of our platform is to manage different types of users. A Wellesley student or alum (henceforth called “affiliate”) can create an account and browse various companies, jobs, and other affiliates. They can upload their resume, add previous job experiences, and update their profiles. Their information is public to other users of the platform. A company representative can also create an account, and upon signing up, they will be required to choose the company they are affiliated with (or add a new one). Company representatives have editing access to their company page and the jobs associated with their company. Affiliates can view a complete list of company representatives upon entering a specific company page, and access representative profiles that way. Each company has a page of jobs (`/company/<comp_id>/jobs/`), and each individual job page (`/company/<comp_id>/job/<jid>/`) has a full list of previous compensation levels. Each

industry page ('/industry/<iid>/') lists companies that are currently affiliated with that industry. Any new account created with DoorToDoor is safe, with password encryption implemented.

Upon entering our website ('/'), a user is presented with an initial welcome page that prompts them to log in. Then, they will be brought to the login page ('/login/') where they will log in or sign up. If the user is logging in, then they will be brought to their profile page ('/affiliate/<username>/' or '/rep/<username>'). If signing up, the user will be prompted to update their profile with more information ('/affiliate/<username>/update/' or '/rep/<username>/update/'). Users can choose not to update their information at this time. On the company representative update page, a representative will be prompted to add their company. If their company is not on the list, they will be taken to a new page where they will insert a new company ('/rep/<username>/company/insert/'). Once a user updates their profile, they are taken back to their profile page.

From the affiliate's profile page, an affiliate has the option to update their profile, insert a new experience, or delete a new experience. If choosing to insert a new experience, the affiliate will be routed to '/affiliate/<username>/experience/insert/', where they can choose which job and which company they worked for. Once added, they are routed back to their profile which will include the new experience they just added. If they choose to remove an experience, they will be routed to '/affiliate/<username>/experience/update/', where they can select from a drop down menu which experience they want removed. The affiliate will be redirected to their profile page, where they will see the experience absent from their list of experiences. Affiliates can choose any of the links in the Quick Browse navigation bar at the bottom of the site, where they can see a running list of all companies ('/all/companies/'), all industries ('/all/industries/') or all affiliates ('/all/affiliates/'). We expect that affiliates will use our search bar ('/search/') frequently, where they can search for any industry, company, or affiliate. These features allow the affiliate to easily search for a job or company that they might be interested in, as well as view other Wellesley affiliates' interests and previous experiences.

From the company representative's profile page, the representative has the option to update their profile, insert a new job post, or update their company profile. If choosing to insert a new job post, they will be routed to '/rep/<username>/insert/job/'. If a representative wishes to edit a job that they posted, they must find themselves at the corresponding job page first. If they were the representative who inserted that job, they will see a button on the page called "Edit Job." They will subsequently be redirected to '/rep/<username>/update/job/<jid>/', where they are also given the option to delete the job posting. Representatives can also edit their company information by routing to '/rep/<username>/update/company/<comp\_id>', which they do from their profile page. Representatives can increase company visibility by adding and updating application links on their job pages, through which affiliates will be able to apply. They can also easily view the last updated resume that affiliates have posted on their profile page.

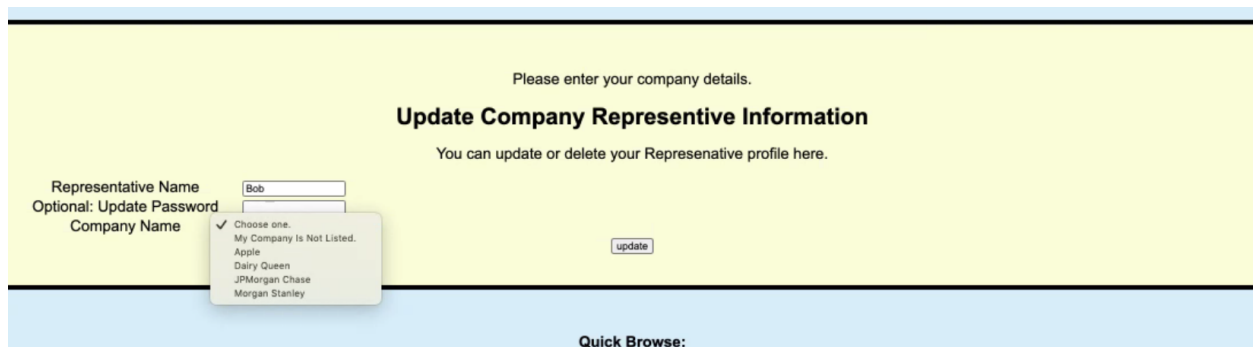
The best way to traverse our platform is to create your own account! From there, you choose how DoorToDoor can be of use to you.

### *Technical*

Our app is a two-sided network consisting of two distinct user groups: company representatives and Wellesley affiliates. When programming DoorToDoor, our team spent much time brainstorming not only essential features that we believed students would appreciate having on a recruiting platform but also how our platform could benefit companies that want to recruit Wellesley Students.

### *Company Representatives*

Company Representatives are an essential part of our app. After creating a rep-specific profile, users can associate themselves with an already added company or insert a company into our company table on our database



The screenshot shows a web form titled "Update Company Representative Information" on a light yellow background. At the top, it says "Please enter your company details." Below the title, a subtitle reads "You can update or delete your Representative profile here." The form contains three input fields: "Representative Name" with the value "Bob", "Optional: Update Password", and "Company Name". A dropdown menu is open for the "Company Name" field, showing a list of companies: "Choose one.", "My Company Is Not Listed.", "Apple", "Dairy Queen", "JPMorgan Chase", and "Morgan Stanley". An "update" button is located to the right of the input fields. At the bottom of the form, there is a "Quick Browse:" link.

Once the representative is logged in to the platform and associated with a specific company, they can access multiple features to provide the best recruitment experience at Wellesley. Our code's session function allowed each user to have particular and distinct user experiences and editing rights. First, reps are allowed to insert a job for a given company. Evident in the image below, reps must include the company's requirements and the current status and link of the application. This information is all inserted into our jobs table on our database. Representatives are allowed to edit job descriptions at all times. However, only the ones inserted by themselves. By limiting editing rights to specific jobs, DoorToDoor encourages companies to have several representatives on the platform, each specialized in a specific area of the business they are recruiting. Using a similar strategy, DoorToDoor also allows company representatives to edit their company's information by editing details such as location or name. DoorToDoor also understands that throughout representative's careers, they could move from their current companies. To facilitate these users' process, DoorToDoor allows representatives to

update their information, such as name and password, and, if needed, change the company they represent.

All the features mentioned above are accessible on the representative profile page, available to them throughout the whole website by clicking on the "my profile" button on our navigation bar.

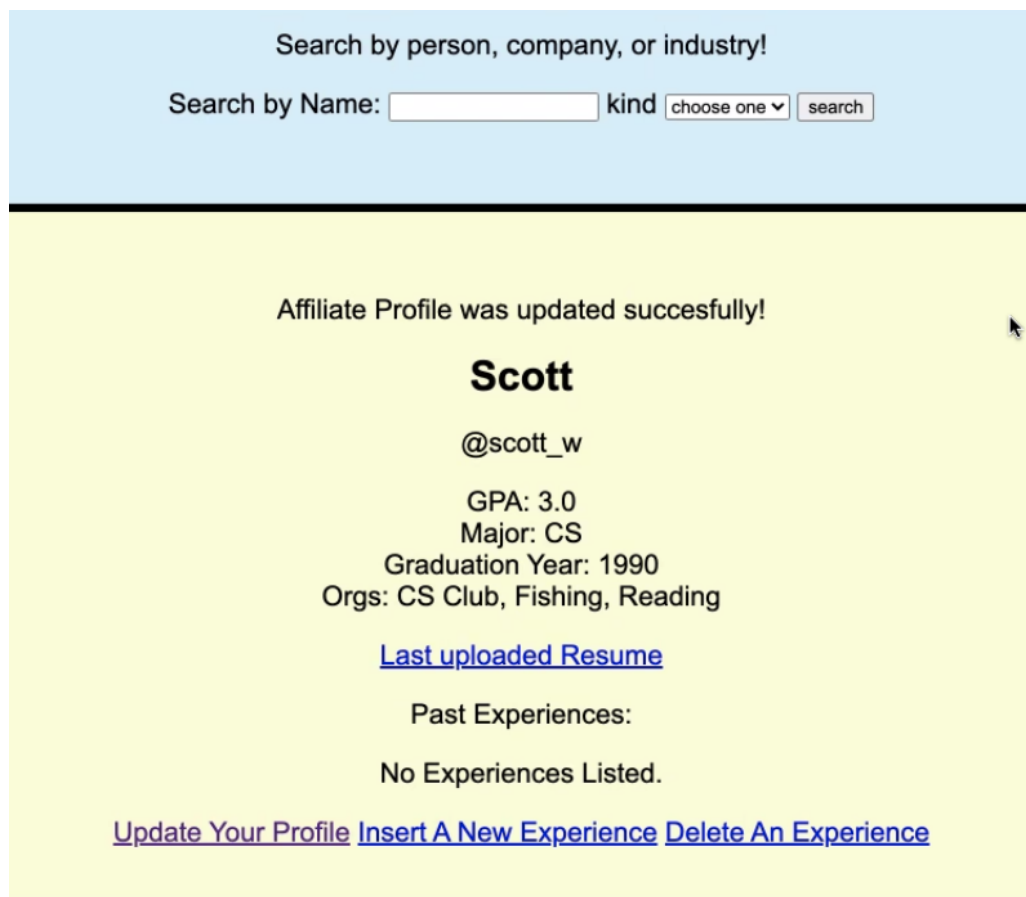
The screenshot displays the DoorToDoor website interface. At the top, a yellow navigation bar contains links for Home, My Profile, and Logout. Below this, the DoorToDoor logo is centered, followed by the tagline "I'll open your door if you open mine." and a search prompt "Search by person, company, or industry!". A search bar is present with the text "Search by Name:" followed by an input field, a "kind" dropdown menu set to "choose one", and a "search" button. The main content area has a yellow background and features the name "Scott" in bold. Below the name, it says "Representing: Apple" with a link to Apple. Further down are links for "Add New Job Post", "Update Your Profile", and "Update Your Company Profile". A section titled "Quick Browse:" is located at the bottom, containing three links: "See All Companies To Date", "See All Industries To Date", and "See All Affiliates Joined To Date". The footer shows logos for WAVE, WVC, and WZL.

While recruiting, company representatives have the opportunity to view all Wellesley affiliated profiles, which specify their major, GPA, organizations, and past experiences. They can find the affiliate's profile either through the search bar or through the quick browse. Suppose a representative wants to learn more about an affiliate. In that case, they also can download the affiliate's resume, which is a pdf file, and generally includes more information about specific experiences in addition to the job seeker's contact information.

We hope that by providing these tools and features to representatives, we incentivize more companies to recruit at Wellesley College and improve and facilitate both parties' networking experience.

*Affiliates*

Our platform provides affiliates with the opportunity to customize their profiles to match their current credentials. Details about each affiliate are saved in the database across various tables, including tables for users, affiliates, experiences, and resumes. Data from these tables is displayed on each affiliate's profile and users can edit their details saved in database tables by clicking on the update button on their profile page (as shown in the image below). If they edit any of their information in the fields on their profile, it is then updated in the respective table in the database through functions that use queries to update the tables. If users are interested in inserting or deleting new experiences, they can also do so through the options on their profile (placed on the right of the "Update Your Profile" button).



Search by person, company, or industry!

Search by Name:  kind

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Affiliate Profile was updated succesfully!

**Scott**

@scott\_w

GPA: 3.0  
Major: CS  
Graduation Year: 1990  
Orgs: CS Club, Fishing, Reading

[Last uploaded Resume](#)

Past Experiences:

No Experiences Listed.

[Update Your Profile](#) [Insert A New Experience](#) [Delete An Experience](#)

When implementing the application, we made the decision to restrict users to only be able to edit their own profiles to ensure that our platform is secure and users feel comfortable entering their information. Affiliates can, however, find other affiliates by searching for their name in the search bar or through the quick browse that displays a list of all existing affiliates.

Affiliates' profiles also contain a hyperlink to their resume, if they have uploaded one, which allows recruiters to view and download their resume if they seem to be a good fit for an existing job. In addition, being able to view other affiliates' resumes is a great resource for

students who may be in the early stages of their career and looking for inspiration. They can easily look at students' past experiences and decide if a fellow affiliate may indeed be working in an industry that they are interested in. Affiliate resumes are saved in a resumes table in the database, which uses the affiliate's unique username to fetch the file that they last uploaded to their profile and sends it to the browser for people to view, and if interested, download.

As we worked to implement the file upload feature for the resumes, we realised that it would be best to restrict the file type to pdf files as they do not automatically download but instead open in the browser, giving the user the option to read and download the file at their own convenience. We also made this decision to help facilitate a better experience for recruiters who typically prefer pdf files for resumes instead of word documents in order to be able to preserve the file's specific formatting. In addition, for this feature to successfully work, we also had to keep in mind the issue of browser caching. Previously, when a user would try to view their resume after uploading a new file that replaces the previous one, the browser would show the cached copy rather than making the request again. By changing the Cache-Control policy to be "no-cache", we were able to make it so that the `send_from_directory()` function that we use for serving resumes is able to check whether the file has changed. This ensures that the cache is still valid, providing a more satisfactory and efficient experience for affiliates who can now easily update uploaded files.

Besides being able to interact with their own profile as well as other affiliates, students can also use the platform to search for companies and industries that they may be interested in. Through company pages, students can stay updated on which jobs may currently be available at certain firms and browse job details to determine if they match the criteria for applying. On the other hand, students who may not yet be sure about their career interests, the industry page can be really beneficial in helping them learn more about the different companies that belong to a specific industry.

### *Conclusion*

DoorToDoor embodies a unique blend of networking and communication for professional development within an extraordinary historically women's community. Founded by a diverse, all female board, DoorToDoor ensures connections to prestigious companies and Wellesley alumni. DoorToDoor opens doors, and we hope that it opens (at least) one for you!