

Backend Team - Student Facing Documentation

1. Retrieve the other student's profile details by NUID:

Endpoint: /students/{nuid}

Endpoint URL: https://asd4.ccs.neu.edu:8082/students/{nuid}

Request Type: GET

Response Media Type: Json

Body:

```
{
  "StudentRecord":
  {
    "neuld": "004",
    "firstName": "Patricia",
    "gender": "F",
    "lastName": "Taylor",
    "middleName": "",
    "email": "Patricia003@gmail.com",
    "address": "401 Terry Ave N",
    "campus": "SEATTLE",
    "city": "Seattle",
    "degree": "MASTERS",
    "enrollmentStatus": "FULL_TIME",
    "entryTerm": "SPRING",
    "entryYear": 2016,
    "expectedLastTerm": "SUMMER",
    "expectedLastYear": 2019,
    "phoneNum": "2060010058",
    "publicId": 9,
    "race": "Hispanic",
    "scholarship": false,
    "state": "WA",
    "visa": "",
    "visible": false,
    "zip": "98109",
    "facebook": "",
    "linkedin": "",
    "website": "",
    "github": "",
    "skills": "",
    "summary": ""
  }
  "WorkExperiences":
  [
    {
      "neuld": "004",
      "workExperienceld": 1,
      "startDate": "2019-01-01",
      "endDate": "2019-04-01",
      "companyName": "Amazon",
      "description": "Intern",
```

```

        "title": "Intern"
    },
    {
        "neuld": "004",
        "workExperienceId": 2,
        "startDate": "2019-01-01"
        "endDate": "2019-04-01",
        "companyName": "Amazon",
        "description": "Intern",
        "title": "Intern"
    }
]
"ExtraExperiences":
[
    {
        "neuld": "004",
        "extraExperienceId": 8,
        "startDate": "2017-01-01"
        "endDate": "2017-04-01",
        "companyName": "Amazon",
        "description": "Intern",
        "title": "Intern"
    },
    {
        "neuld": "004",
        "extraExperienceId": 9,
        "startDate": "2018-01-01"
        "endDate": "2018-04-01",
        "companyName": "Google",
        "description": "Intern",
        "title": "Intern"
    }
],
"Projects":
[
    {
        "neuld": "004",
        "endDate": "12-31-2017",
        "description": "Intern",
        "projectName": "CNAO",
        "projectId": 5,
        "startDate": "12-12-2016"
    },
    {
        "neuld": "004",
        "endDate": "12-31-2017",
        "description": "Intern",
        "projectName": "ABCD",
        "projectId": 6,
        "startDate": "12-12-2016"
    }
]

```

```

    ],
    "Courses":
    [
        {
            "courseName": "Intensive Foundations of CS",
            "description": "Intensive Foundations of CS",
            "courseId": "CS 5001"
        },
        {
            "courseName": "Discrete and Data Structures",
            "description": "Discrete and Data Structures",
            "courseId": "CS 5002"
        }
    ],
    "Photo":
    {
        "neuld": "004",
        "photo": 0,
    }
}

```

Status Codes:
 Success: 200 OK
 Failure: 400 BAD REQUEST

2. Retrieve the students own profile details by NUID:

Endpoint: /myProfile/{nuid}

Endpoint URL: https://asd4.ccs.neu.edu:8082/myProfile/{nuid}

Request Type: GET

Response Media Type: Json

Body:

```

{
    "StudentRecord":
    {
        "neuld": "004",
        "firstName": "Patricia",
        "gender": "F",
        "lastName": "Taylor",
        "middleName": "",
        "email": "Patricia003@gmail.com",
        "address": "401 Terry Ave N",
        "campus": "SEATTLE",
        "city": "Seattle",
        "degree": "MASTERS",
        "enrollmentStatus": "FULL_TIME",
        "entryTerm": "SPRING",
        "entryYear": 2016,
        "expectedLastTerm": "SUMMER",
        "expectedLastYear": 2019,
        "phoneNum": "2060010058",
        "publicId": 9,
    }
}

```

```

        "race": "Hispanic",
        "scholarship": false,
        "state": "WA",
        "visa": "",
        "visible": false,
        "zip": "98109",
        "facebook": "",
        "linkedin": "",
        "website": "",
        "github": "",
        "skills": "",
        "summary": "",
    }
    "WorkExperiences":
    [
        {
            "neuld": "004",
            "workExperienceld": 1,
            "startDate": "2019-01-01"
            "endDate": "2019-04-01",
            "companyName": "Amazon",
            "description": "Intern",
            "title": "Intern"
        },
        {
            "neuld": "004",
            "workExperienceld": 2,
            "startDate": "2019-01-01"
            "endDate": "2019-04-01",
            "companyName": "Amazon",
            "description": "Intern",
            "title": "Intern"
        }
    ]
    "ExtraExperiences":
    [
        {
            "neuld": "004",
            "extraExperienceld": 8,
            "startDate": "2017-01-01"
            "endDate": "2017-04-01",
            "companyName": "Amazon",
            "description": "Intern",
            "title": "Intern"
        },
        {
            "neuld": "004",
            "extraExperienceld": 9,
            "startDate": "2018-01-01"
            "endDate": "2018-04-01",
            "companyName": "Google",

```

```

        "description": "Intern",
        "title": "Intern"
    }
],
"Projects":
[
    {
        "neuld": "004",
        "endDate": "12-31-2017",
        "description": "Intern",
        "projectName": "CNAO",
        "projectId": 5,
        "startDate": "12-12-2016"
    },
    {
        "neuld": "004",
        "endDate": "12-31-2017",
        "description": "Intern",
        "projectName": "ABCD",
        "projectId": 6,
        "startDate": "12-12-2016"
    }
],
"Courses":
[
    {
        "courseName": "Intensive Foundations of CS",
        "description": "Intensive Foundations of CS",
        "courseId": "CS 5001"
    },
    {
        "courseName": "Discrete and Data Structures",
        "description": "Discrete and Data Structures",
        "courseId": "CS 5002"
    }
],
},
"Privacies":
{
    "neuld": "004",
    "publicId": 0,
    "visibleToPublic": true,
    "github": true,
    "website": true,
    "address": true,
    "facebook": true,
    "photo": true,
    "project": true,
    "linkedin": true,
    "skill": true,
    "course": true,

```

```

        "extraExperience": true,
        "email": true,
        "phone": 0,
        "coop": true,
    },
    "Photo":
    {
        "neuld": "004",
        "photo": 0,
    }
}

```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

3. Update a student's profile PHOTO:

Endpoint: /students/{NUIID}/photo

Endpoint URL: https://asd4.ccs.neu.edu:8082/students/{NUIID}/photo

Request Type: PUT

Response Media Type: Base64

4. Update a student profile:

Endpoint: /students/{NUIID}

Endpoint URL: https://asd4.ccs.neu.edu:8082/students/{NUIID}

Request Type: PUT

Body:

```

{
    "address": "401 Terry Ave N",
    "campus": "SEATTLE",
    "city": "Seattle",
    "degree": "MASTERS",
    "email": "Patricia003@gmail.com",
    "enrollmentStatus": "FULL_TIME",
    "entryTerm": "SPRING",
    "entryYear": 2016,
    "expectedLastTerm": "SUMMER",
    "expectedLastYear": 2019,
    "firstName": "Patricia",
    "gender": "F",
    "lastName": "Taylor",
    "middleName": "",
    "phoneNum": "2060010058",
    "publicId": 9,
    "race": "Hispanic",
    "scholarship": false,
    "state": "WA",
    "visa": "",

```

```
"visible": false,
"zip": "98109",
"facebook": "",
"linkedin": "",
"website": "",
"github": "",
"skills": "",
"summary": "",
}
```

Response Media Type: Json

```
Body:
{
    Message: success
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

5. Adds a new extra experience for a student:

Endpoint: /students/{NUIID}/extraexperiences

Endpoint URL: <https://asd4.ccs.neu.edu:8082/students/{NUIID}/extraexperiences>

Request Type: POST

Request Media Type: Json

```
Body:
{
    "neuld": "004",
    "extraExperienceId": "",
    "companyName" : "Amazon",
    "title"       : "Intern",
    "startDate"   : "2019-01-01",
    "endDate"     : "2019-04-01",
    "description" : "Intern"
}
```

Response Media Type: Json

```
Body:
{
    "extraExperienceId": // newly auto generated extra ExperienceId
}
```

Status Codes:

Success: 200 CREATED

Failure: 400 BAD REQUEST

6. Add a new project for a student:

Endpoint: /students/{NUIID}/projects

Endpoint URL: <https://asd4.ccs.neu.edu:8082/students/{NUIID}/projects>

Request Type: POST

Request Media Type: Json

Body:

```
{
  "neuld": "004",
  "projectId": "",
  "projectName": "CNAO",
  "endDate": "2018-12-30",
  "startDate": "2018-12-30",
  "description": "Intern"
}
```

Response Media Type: Json

Body:

```
{
  "projectId": // newly auto generated project id
}
```

Status Codes:

Success: 201 CREATED

Failure: 400 BAD REQUEST

7. Get all the Extra Experience for a student by NUID:

Endpoint: /students/{NUID}/extraexperiences

Endpoint URL: <https://asd4.ccs.neu.edu:8082/students/{NUID}/extraexperiences>

Request Type: GET

Response Media Type: Json

Body:

```
{
  "ExtraExperiences": [
    {
      "neuld": "004",
      "extraExperienceId": "",
      "companyNam": "Amazon",
      "title": "Intern",
      "startDate": "2019-01-01",
      "endDate": "2019-04-01",
      "description": "Intern"
    },
    {
      "neuld": "004",
      "extraExperienceId": "",
      "companyNam": "Google",
      "title": "Intern",
      "startDate": "2019-01-01",
      "endDate": "2019-04-01",
      "description": "Intern"
    }
  ]
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

8. Retrieve a student's work experiences:

Endpoint: /students/{NUIID}/workexperiences/

Endpoint URL: https://asd4.ccs.neu.edu:8082/students/{NUIID}/workexperiences/

Request Type: GET

Response Media Type: Json

Body:

```
{
  "WorkExperiences" :
  [
    {
      "id":
      "Companyname":,
      "Title":
      "StartDate":
      "EndDate":
      "Description":
    },
    {
      "id":
      "Companyname":,
      "Title":
      "StartDate":
      "EndDate":
      "Description":
    }
  ]
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

9. Update an Extra Experience:

Endpoint: /students/{NUIID}/extraexperiences/{ID}

Endpoint URL: https://asd4.ccs.neu.edu:8082/students/{NUIID}/extraexperiences/{ID}

Request Type: PUT

Request Media Type: Json

Body:

```
{
  "neuld": "004",
  "extraExperienceId": 3,
  "companyName" : "CNAO",
  "title" : "Intern",
  "endDate" : "2018-12-30",
  "startDate" : "2018-12-30",
  "description" : "Intern"
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

10. Update a Project:**Endpoint:** /students/{NUIID}/projects/{ID}**Endpoint URL:** https://asd4.ccs.neu.edu:8082/students/{NUIID}/projects/{ID}**Request Type:** PUT**Request Media Type:** Json

Body:

```
{
  "neuld": "004",
  "projectId": 3,
  "projectName": "CNAO",
  "endDate": "2018-12-30",
  "startDate": "2018-12-30",
  "description": "Intern"
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

11. Delete an extra experience for a student:**Endpoint:** /students/{NUIID}/extraexperiences/{ID}**Endpoint URL:** https://asd4.ccs.neu.edu:8082/students/{NUIID}/extraexperiences/{ID}**Request Type:** DELETE**Status Codes:**

Success: 200 OK

Failure: 400 BAD REQUEST

12. Delete a project for a student:**Endpoint:** /students/{NUIID}/projects/{ID}**Endpoint URL:** https://asd4.ccs.neu.edu:8082/students/{NUIID}/projects/{ID}**Request Type:** DELETE**Status Codes:**

Success: 200 OK

Failure: 400 BAD REQUEST

13. List of all graduation years:**Endpoint:** /graduationyears**Endpoint URL:** https://asd4.ccs.neu.edu:8082/graduationyears**Request Type:** GET**Response Type:** Json

Body:

```
[
  "2016", "2017", "2018"...
```

]
Status Codes:
Success: 200 OK
Success and response empty: 204 NO CONTENT
Failure: 400 BAD REQUEST

14. List of all coops:
Endpoint: /coops
Endpoint URL: https://asd4.ccs.neu.edu:8082/coops
Request Type: GET
Response Type: Json
Body:
[
Amazon", "Google", "Reddit"...
]
Status Codes:
Success: 200 OK
Success and response empty: 204 NO CONTENT
Failure: 400 BAD REQUEST

15. List of all Courses:
Endpoint: /courses
Endpoint URL: https://asd4.ccs.neu.edu:8082/courses
Request Type: GET
Response Type: Json
Body:
[
"CS 5800", "CS 5600, "CS 1010"...
]
Status Codes:
Success: 200 OK
Success and response empty: 204 NO CONTENT
Failure: 400 BAD REQUEST

16. List of all Enrollment Years:
Endpoint: /enrollmentyears
Endpoint URL: https://asd4.ccs.neu.edu:8082/enrollmentyears
Request Type: GET
Response Type: Json
Body:
[
"2016", "2017, "2018"...
]
Status Codes:
Success: 200 OK
Success and response empty: 204 NO CONTENT
Failure: 400 BAD REQUEST

17. List of all Campuses:
Endpoint: /campuses
Endpoint URL: https://asd4.ccs.neu.edu:8082/campuses
Request Type: GET

Response Type: Json

Body:

```
[
  "Seattle", "Silicon Valley", "Boston"...
]
```

Status Codes:

Success: 200 OK

Success and response empty: 204 NO CONTENT

Failure: 400 BAD REQUEST

18. Login a Student:

Endpoint: /login

Endpoint URL: https://asd4.ccs.neu.edu:8082/login

Request Type: POST

Body:

```
{
  "email"           : "meha@husky.neu.edu"
  "password"        : "password"
}
```

Response Type:

Body:

```
{
  "id": "MDAxMjM0MTIz",
  "token": "eyJhbGciOiJIUzI1LCJlbnMiOiJBMTI4Q0JDLUhTMjU2In0"
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

19. Logout a Student:

Endpoint: /logout

Endpoint URL: https://asd4.ccs.neu.edu:8082/logout

Request Type: POST

Body:

```
{
  "email"           : "meha@husky.neu.edu"
  "authenticationkey" : "78230910290"
}
```

Response Type: none

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

20. Request registration email:

Endpoint: /registration

Endpoint URL: https://asd4.ccs.neu.edu:8082/registration

Request Type: POST

Body:

```
{
```

```
        "email"                : "eppacher.a@husky.neu.edu"
    }
```

Response Type: none

Status Codes:

Success: 200 OK

Success but user already has password: 401 NOT AUTHORIZED

Failure: 400 BAD REQUEST

21. create password for account/reset:

Endpoint: /password-create

Endpoint URL: https://asd4.ccs.neu.edu:8082/password-create

Request Type: POST

Body:

```
{
    "email"                : "meha@husky.neu.edu"
    "password"              : "password"
    "registrationkey"       : "79839874"
}
```

Response Type: none

Status Codes:

Success: 200 OK

Success but invalid registration key: 401 NOT AUTHORIZED

Failure: 400 BAD REQUEST

22. Change a password for an account:

Endpoint: /password-change

Endpoint URL: https://asd4.ccs.neu.edu:8082/password-change

Request Type: POST

Body:

```
{
    "email"                : "meha@husky.neu.edu"
    "oldPassword"           : "password"
    "newPassword"           : "79839874"
}
```

Response Type: none

Status Codes:

Success: 200 OK

Success but invalid Password: 401 NOT AUTHORIZED

Failure: 400 BAD REQUEST

23. Request Password Reset:

Endpoint: /password-reset

Endpoint URL: https://asd4.ccs.neu.edu:8082/password-reset

Request Type: POST

Body:

```
{
    "email"                : "eppacher.a@husky.neu.edu"
}
```

Response Type: none

Status Codes:

Success: 200 OK

Success but user has not registered: 404 NOT FOUND
Failure: 400 BAD REQUEST

24. Get the Privacy:

Endpoint: /students/{NUID}/privacies/

Endpoint URL: https://asd4.ccs.neu.edu:8082/students/{NUID}/privacies/

Request Type: GET

Response Media Type: Json

Body:

```
{
  "neuld": "004",
  "publicId": 7,
  "visibleToPublic": true,
  "photo": true,
  "coop": true,
  "phone": true,
  "email": true,
  "address": true,
  "linkedin": true,
  "github": true,
  "facebook": true,
  "website": true,
  "course": true,
  "extraExperience": true,
  "project": true,
  "skill": true
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

25. Update a Privacy:

Endpoint: /students/{NUID}/privacies/

Endpoint URL: https://asd4.ccs.neu.edu:8082/students/{NUID}/privacies/

Request Type: PUT

Request Media Type: Json

Body:

```
{
  "neuld": "004",
  "publicId": 7,
  "visibleToPublic": true,
  "photo": true,
  "coop": true,
  "phone": true,
  "email": true,
  "address": true,
  "linkedin": true,
}
```

```

        "github":true,
        "facebook":true,
        "website":true,
        "course":true,
        "extraExperience":true,
        "project":true,
        "skill":true
    }

```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST

26. Retrieve the List of selected graduation years, coops, campuses, courses, enrollment years and Quantity of students that fit those inputs and a list of students

Endpoint: /filterstudents

Endpoint URL: https://asd4.ccs.neu.edu:8082/filterstudents

Request Type: POST

Body:

```

{
    "coops"           :["Amazon", "Google", "Reddit", ...],
    "campuses"        :["Silicon Valley", "Boston", "Seattle", ...],
    "enrollmentyear" :["2001", "2002", ...],
    "graduationyear"  :["2015", "2016", "2017", ...],
    "courses"         :["CS 5610, ..."]
}

```

Response Type: Json

Body:

```

{
    "Quantity": 128,
    "Students": [
        {
            "firstname"      : "Chris",
            "lastname"       : "Tucker",
            "coop"           : "Amazon",
            "campus"         : "Silicon Valley",
            "enrollmentYear" : "2001",
            "graduationYear" : "2002",
            "nuld"           : "encoded nuid"
        }
    ]
}

```

Status Codes:

Success: 200 OK

Success and response empty: 204 NO CONTENT

Failure: 400 BAD REQUEST

27. Search for other students:

Endpoint: /students

Endpoint URL: https://asd4.ccs.neu.edu:8082/students

Request Type: POST

Body:

```
{
  "companyName" :["Amazong", "Google", "Facebook"],
  "courseName"  :["Intensive Foundations of CS"],
  "gender"       :["F", "M"],
  "campus"       :["SEATTLE", "BOSTON"],
  "startTerm"    :["FALL2014", "SPRING2015"],
  "endTerm"      :["SPRING2018", "SUMMER2018"]
}
```

Response Media Type: Json

Body:

```
{ "StudentsRecord": [
  {
    "neuld": "003",
    "address": "401 Terry Ave N",
    "campus": "SEATTLE",
    "city": "Seattle",
    "degree": "MASTERS",
    "email": "Patricia003@gmail.com",
    "enrollmentStatus": "FULL_TIME",
    "entryTerm": "SPRING",
    "entryYear": 2016,
    "expectedLastTerm": "SUMMER",
    "expectedLastYear": 2019,
    "firstName": "Patricia",
    "gender": "F",
    "lastName": "Taylor",
    "middleName": "",
    "phoneNum": "2060010058",
    "publicId": 9,
    "race": "Hispanic",
    "scholarship": false,
    "state": "WA",
    "visa": "",
    "visible": false,
    "zip": "98109"
  },
  {
    "neuld": "002",
    "address": "401 Terry Ave N",
    "campus": "SEATTLE",
    "city": "Seattle",
    "degree": "MASTERS",
    "email": "Patricia003@gmail.com",
    "enrollmentStatus": "FULL_TIME",
    "entryTerm": "SPRING",
    "entryYear": 2016,
    "expectedLastTerm": "SUMMER",
    "expectedLastYear": 2019,
    "firstName": "Patricia",
```



```
        "gender": "F",
        "lastName": "Taylor",
        "middleName": "",
        "phoneNum": "2060010058",
        "publicId": 9,
        "race": "Hispanic",
        "scholarship": false,
        "state": "WA",
        "visa": "",
        "visible": false,
        "zip": "98109"
    }
  ]
}
```

Status Codes:

Success: 200 OK

Success and response empty: 204 NO CONTENT

Failure: 400 BAD REQUEST

28. Search students by name:

Endpoint: /autofill-search/

Endpoint URL: https://asd4.ccs.neu.edu:8082/autofill-search

Request Type: POST (text)

Body: yudong

Response Media Type: Json

Body:

```
{
  "StudentsRecord":
    [
      {
        "neuld": "ABC",
        "firstName": "Yudong",
        "lastName": "Wang",
      },
      {
        "neuld": "ABC2",
        "firstName": "Yudong2",
        "lastName": "Wang2",
      },
      {
        "neuld": "ABC3",
        "firstName": "Yudon3g",
        "lastName": "Wang3",
      },
    ],
}
```

Status Codes:

Success: 200 OK

Failure: 400 BAD REQUEST
