

# ANGEL GABRIEL ALVAREZ II

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## Education

### UNDERGRADUATE STUDENT | MASSACHUSETTS INSTITUTE OF TECHNOLOGY

- \* Studies computer science as a sophomore.

### HIGH SCHOOL STUDENT | NATOMAS PACIFIC PATHWAYS PREP (NP3)

- \* Graduated with the highest honors and a GPA of 4.12 on June 6<sup>th</sup> 2016.

## Skills

*Showcase of projects I have worked on available at [web.mit.edu/alvareza/www](http://web.mit.edu/alvareza/www)*

### JAVA/PYTHON APPLICATION PROGRAMMING

- \* Engineers application sized projects: 3-D rendering engine accompanying a fully playable 3-D Tetris game, various simulations of Turing complete cellular automata and a computational geometry library.

### FULL STACK WEB DEVELOPMENT

- \* Designs frontends using HTML, CSS, JavaScript, JQuery and Semantic UI. Uses Node.JS, Express and MongoDB for backend. Worked on website for MIT TechX project gallery: [gallexy.mit.edu](http://gallexy.mit.edu).

### GIT VERSION CONTROL SYSTEM

- \* Utilizes GIT workflow to work with peers on large to mid scale projects.

### HASKELL/SCALA FUNCTIONAL PROGRAMMING

- \* Possesses a working knowledge of techniques in functional programming.

## Activities

### STUDENT INFORMATION PROCESSING BOARD MEMBER AT LARGE | AUGUST 2016 – PRESENT

- \* Manages publicity and serves on the Executive Committee for the MIT Student Information Processing Board (SIPB).

### PROJX COMMITTEE | SEPTEMBER 2016 – PRESENT

- \* Coordinates with a team to review approximately 100 project applications and fund more than 40 of them.

### TECHX DEVOPS | SEPTEMBER 2016 – PRESENT

- \* Develops web projects for the TechX organization, Manages deployments of web applications.

### WING REPRESENTATIVE | SEPTEMBER 2016 – PRESENT

- \* Manages budget for dorm wing. Serves as liaison between dorm residents and dorm government.

### NP3 SCIENCE & TECHNOLOGY | AUGUST 2014 – May 2016

- \* Founded NP3 Science & Technology Club. Dedicated to increasing engagement of students with various scientific disciplines and emerging technologies.

## Academic Honors

### AP SCHOLAR WITH DISTINCTION

- \* Granted two years in a row for receiving an average score above 3.5 on at least 5 AP exams.

### NATIONAL HONOR SOCIETY

- \* Elected co-president of National Honor Society chapter at NP3. Organized charitable fundraisers involving 40+ members.

### QUESTBRIDGE SCHOLAR

### NATIONAL HISPANIC RECOGNITION PROGRAM SCHOLAR