

# Al-Jalil Dameon Gault

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## EDUCATION

**UNIVERSITY OF PENNSYLVANIA (UPENN)** | Master of City Planning, 2021

**RENSSELAER POLYTECHNIC INSTITUTE (RPI)** | Bachelor of Architecture, 2019

*Semester Abroad* | Argentina, Chile, Uruguay

*Bedford Traveling Workshop* | Brazil

**ILLINOIS MATHEMATICS AND SCIENCE ACADEMY (IMSA)** | HS Diploma, 2014

## RESEARCH EXPERIENCE

**RESILIENCE DISTRICTS** | Massachusetts Institute of Technology (MIT) | 2018, Cambridge, MA

- Identified incidences of resilience in Boston districts related to emergency response management, flood plain overlays, civic services, and electoral representation using GIS.
- Designed sea-level rise resilience districts for Boston.
- Presented at the 2018 MIT Summer Research Program (MSRP) Poster Session.

**MAPPING TROY** | Rensselaer Polytechnic Institute (RPI) | 2017, Troy, NY

- Establishing a basis for a systematic and permanent geospatial study of Troy, NY.
- Maintaining a curious attitude throughout inquiry and research.
- Presented at the 2018 RPI Undergraduate Research Symposium.

**THE EXPERIENCE OF HOMELESSNESS & STRESS, AND ITS EFFECT ON MEMORY**

**FUNCTIONING IN HOMELESS YOUTH** | The University of Chicago | 2012-2014, Chicago, IL

- Explored relationships between homeless experiences, neuropsychiatric interview responses, and standardized memory and learning assessments from urban youth.
- Performed statistical analysis of a collaborative dataset using SPSS.
- Presented to a non-technical audience at the IMSAloquium Student Showcase.

## PROFESSIONAL EXPERIENCE

**ARCHITECTURAL INTERN** | SmithGroup | Winter 2016 - Summer 2019, Chicago, IL

- Developed tools for firm-wide, cross-disciplinary use of parametric facade design.
- Visioned community development of the 100-acre Roseland Medical District of Chicago, IL.
- Participated in a design competition for a 25-acre medical campus in China.
- Assisted mid- and senior level colleagues with presentation and design for projects.

**ARCHITECTURAL INTERN** | Gregory Ramón Design Studio, Inc. | 2015 - 2020, Chicago, IL

- Developed conceptual design for retail projects in suburban and airport markets.
- Mapped prevalence of vacant properties throughout Chicago using ArcGIS.
- Produced a booklet for pitching development to potential investors.
- Reviewed specification documents for construction administration.

**ARCHITECTURAL INTERN** | Mithun, Inc. | Summer 2016, Seattle, WA

- Identified qualitative and quantitative measures for sustainable design for post-occupancy evaluations of projects in diverse climates across the United States.
- Prepared a template for long-term presentation of findings using Tableau.

## SKILLS

**Statistical Research** - SPSS, Microsoft Excel & Office Suite, Tableau

**Geospatial Analysis** - ArcGIS, QGIS, Climate Consultant V6

**Programming Languages** - R Studio, Python, Javascript, Grasshopper

**Adobe Creative Cloud** - Illustrator, InDesign, Photoshop, Lightroom, After Effects

**Computer-aided Design** - Rhinoceros, Autodesk Revit, Google Sketchup, V-Ray

**3D Fabrication** - 3D Printing, Laser Cutting, CNC 3-axis Milling, 6-axis Robotic Arm

## TEACHING & FACILITATION

### TEACHING ASSISTANTSHIPS

ARCHITECTURAL CASE STUDIES | ARCH 4090, Prof. Gustavo Crembil, RPI

ARCHITECTURAL MEDIA | ARCH 2160, Prof. Anthony Titus, RPI

**Co-FOUNDER** | NOMAS Pre-College Design Initiative, RPI | Spring 2018, Troy, NY

- Mobilized New York State resources and RPI architecture students to provide architectural design exposure to underrepresented students.
- Led peers to develop curricula and facilitated design exercises for vacant spaces in our community.

**ENGLISH TEACHER** | Sino-American Cultural Exchange, Wall-Street Business School  
Summer 2015, Luoyang, China

- Created visual, physical, written, and auditory experiences for learning English.
- Adapted language learning experiences for diverse learners (ages 8 - 18), from beginner's level to advanced TOEFL tutoring.

**FARRELL'S FELLOW SUMMER INTERN** | Museum of Science + Industry | 2014, Chicago, IL

- Proactively engaged museum guests to provide a fun, educational experience.
- Applied an inquiry-based approach to teach science content.
- Adapted guest engagements to reach diverse audiences of varying age, cultural background and knowledge levels.

**Co-COORDINATOR** | PROMISE Educational Outreach Program, IMSA | 2014, Chicago, IL

- Led the development of mathematics, science, and mentoring curricula for under-represented elementary school children.
- Coordinated and ensured proper preparation of 6 teachers for a program with 50+ students enrolled.

**Co-CHAIRMAN & FACILITATOR** | Leadership in Action Program, IMSA | 2013, Chicago, IL

- Led 15 peers to develop curricula which encourages students to think critically and form solutions to social issues in their community through legislation.
- Leveraged relationships with Illinois State Legislators to such that 100+ students enrolled may propose their solutions as teams.

## SERVICE LEADERSHIP EXPERIENCE

COUNCIL MEMBER | Dean's Student Leadership Advisory Council, RPI | 2016 - 2019

Co-PRESIDENT | National Organization of Minority Architecture Students, RPI | 2017

Co-PRESIDENT | American Institute of Architecture Students, RPI | 2015

Co-CAPTAIN | Boy's Varsity Cross-Country Team, IMSA | 2014

FACILITATOR | Leadership Education and Development Program, IMSA | 2012

## AWARDS & RECOGNITION

Weitzman Diversity Scholar, UPenn | 2019

Alpha Rho Chi Medal for Leadership, Service and Merit, RPI | 2019

Student Speaker, MIT Summer Research Program Closing Luncheon, MIT | 2018

Exemplifying a Spirit of Unselfish Giving to the School and Institute, RPI | 2018

School of Architecture's Archiving for Exceptional Student Work, RPI | 2015, '16, '18

## PRESS

Rensselaer Architecture, *forthcoming* | *Influx, Volume 2*

RPI, May 6<sup>th</sup>, 2019 | *Modeling the Future: Al-Jalil Gault*

Troy Record, Feb 3<sup>rd</sup>, 2018 | *At RPI event, students told 'be a force for STEM'*

UNC, Nov 8<sup>th</sup>, 2016 | *Estudiantes del Rensselaer Polytechnic Institute  
aprendieron sobre el ladrillo en la FAUD*

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